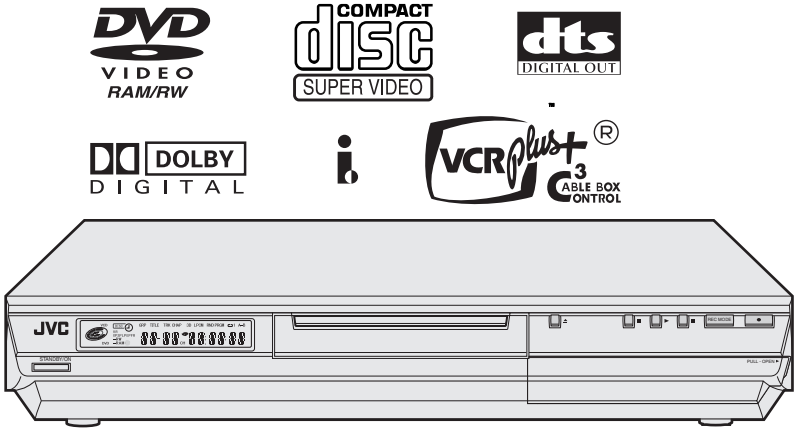
JVC

SERVICE MANUAL

DVD VIDEO RECORDER

DR-M10SUS, DR-M10SUC
DR-M10SUJ

Area Suffix	
US	U.S.A.
UC	Canada
UJ	U.S.A Militaly



DR-M10SUS, DR-M10SUC, DR-M10SUJ [D4R10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

TABLE OF CONTENTS

1 PRECAUTION 1-3
2 SPECIFIC SERVICE INSTRUCTIONS 1-6
3 DISASSEMBLY 1-7
4 ADJUSTMENT 1-13
5 TROUBLESHOOTING 1-14

COPYRIGHT © 2004 Victor Company of Japan, Limited

No.XA019
2004/5

SPECIFICATION

		DR-M10SUS,DR-M10SUC	DR-M10SUJ
GENERAL			
Power requirement		AC 120 V - , 60 Hz	AC 110 V -220V~, 50/60 Hz
Power consumption		Power on : 34 W Power off : 16.2 W	Power on : 37 W Power off : 19.2 W
Temperature		Operating : 5°C to 40°C(41°F to 104°F) Storage : -20°C to 60°C(-4°F to140°F)	
Operating position		Horizontal only	
Dimensions (W × H × D)		435 mm × 70 mm × 346 mm	
Weight		4.5 kg	4.0 kg
VIDEO/AUDIO			
Recordable disc	DVD-RAM	12 cm : (4.7 GB/9.4 GB)	
	DVD-RAM	8 cm : (1.4 GB/2.8 GB)	
	DVD-R	12 cm:(4.7 GB, 8 cm: 1.4 GB for General Ver. 2.0)	
	DVD-RW	4.7 GB for Ver. 1.0/1.1	
Recording format	DVD-RAM	DVD Video Recording format	
	DVD-R	DVD-Video format	
	DVD-RW	DVD-Video format, DVD Video Recording format	
Recording time		Maximum 8 hours (with 4.7 GB disc) (XP) : Approx. 1 hour, (SP) : Approx. 2 hours, (LP) : Approx. 4 hours, (EP) : Approx. 6 hours, (FR) : Approx. 1 hour - 8 hours	
Playable disc	DVD-RAM	12 cm : (4.7 GB/9.4 GB)	
	DVD-RAM	8 cm : (1.4 GB/2.8 GB)	
	DVD-R	12 cm:(4.7 GB, 8 cm: 1.4 GB for General Ver. 2.0)	
	DVD VIDEO, DVD-RW	4.7 GB	
		Music CD (CD-DA)	
		Video CD	
		Super Video CD(SVCD)	
		CD-R/RW (CD-DA, Video CD/SVCD formatted discs)	
Audio recording system		Dolby Digital (2 ch) Linear PCM (XP mode only)	
Video recording compression system		MPEG2 (CBR/VBR)	
Input/Output			
S-video input		Y : 0.8 - 1.2 Vp-p, 75 Ω C : 0.2 - 0.4 Vp-p, 75 Ω	
S-video output		Y : 1.0 Vp-p, 75 Ω C : 0.3 Vp-p, 75 Ω	
Video input		0.5 - 2.0 Vp-p, 75 Ω (pin jack)	
Video output		1.0 Vp-p, 75 Ω (pin jack)	
Audio input		-8 dB, 50 kΩ (pin jack) Corresponding to mono (left)	
Audio output		-8 dB, 1 kΩ (pin jack)	
i.Link		4-pin for DV input	
Component video output		Y : 1.0 Vp-p, 75 Ω PB/PR : 0.7 Vp-p, 75 Ω Corresponding to copy protection	
Digital audio output		Optical : -18 dBm, 660 nm	
		Coaxial : 0.7Vp-p,75ohms Corresponding to Dolby Digital and DTS Digital Surround Bit stream Selectable in digital audio output setting menu	
TUNER			
Tuning system		Frequency synthesized tuner	
Channel coverage		VHF : Channels 2 - 13 UHF : Channels 14 - 69 CATV : 113 Channels	
TIMER			
Clock reference		Quartz	
Program capacity		1-year programmable timer/8 programs	
Memory backup time		Approx. 60 min.	
ACCESSORIES			
Provided accessories		RF cable,Audio/video cable, Controller,Infrared remote control unit,"AA" battery x 2	RF cable,Audio/video cable, Controller,Infrared remote control unit,"AA" batteryx2,Conversion plug

Specifications shown are for SP mode unless otherwise specified.
E.& O.E. Design and specifications subject to change without notice.
Manufactured under licence from Dolby Laboratories. "Dolby" and double-D symbol are trademarks of Dolby Laboratories.
"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

SECTION 1
PRECAUTION

1.1 Safety Precautions

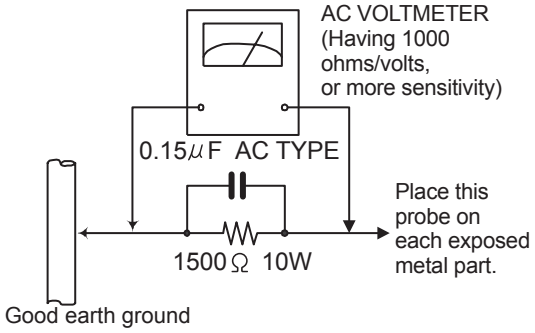
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
Measure the AC voltage across the resistor with the AC voltmeter.
Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Preventing static electricity

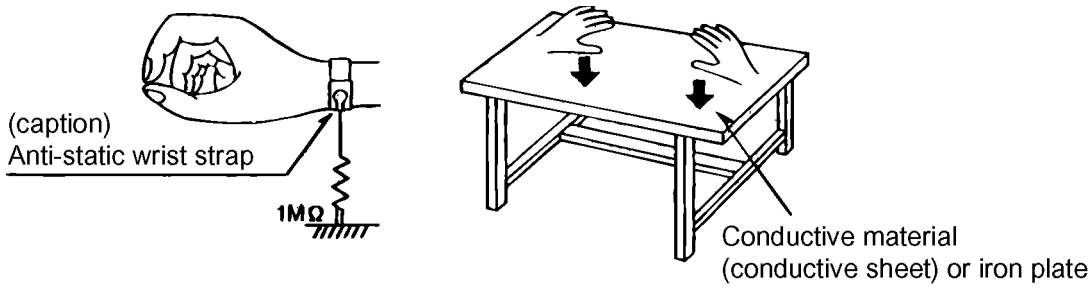
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.5.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as DVD players.
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.



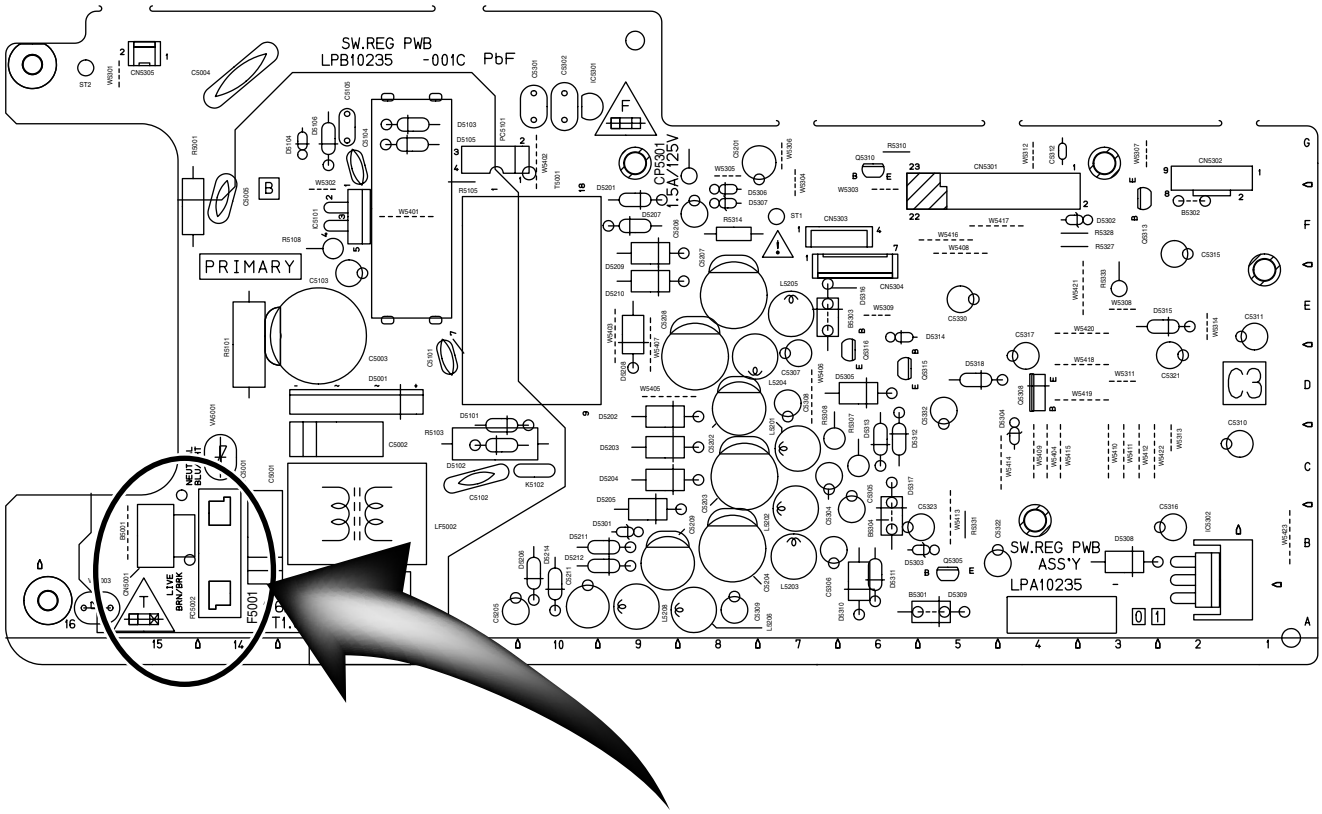
(3) Handling the optical pickup
- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

1.6 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) I t is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.7 Important for laser products

Importance administering point on the safety



Full Fuse Replacement Marking	Marquage Pour Le Remplacement Complet De Fusible
Graphic symbol mark (This symbol means fast blow type fuse.) should be read as follows ;	Le symbole graphique (Ce symbole signifie fusible de type á fusion rapide.) doit être interprété comme suit ;
FUSE CAUTION	**PRECAUTIONS SUR LES FUSIBLES**
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSES ; **F5001 : 1.6 A / 250 V**	**POUR UNE PROTECTION CONTINUE CONTRE DES RISQUES D'INCENDIE, REMPLACER SEULEMENT PAR UN FUSIBLE DU MEME TYPE ;** **F5001 : 1.6 A / 250 V**

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body section

3.1.1 Remove the top cover (See figure 1)

(1) Remove the four screws **A** attaching the top cover on both sides of the main body.
(2) Remove the five screws **B** attaching the top cover on the back of the main body.
(3) Raise the both sides and lower part of the rear of the top cover, with opening them slightly in an outward direction. And the top cover will be removed.

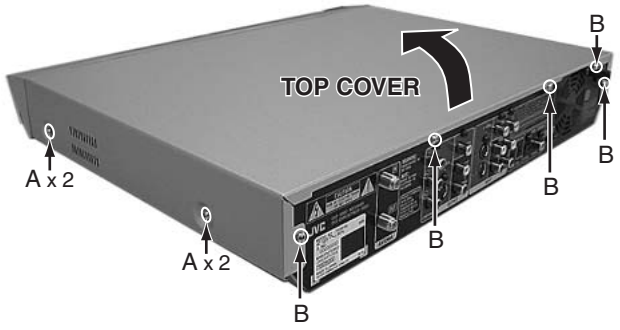


Fig.1

3.1.2 Remove the front panel assembly (See figure2, figure 3, and figure 4)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the mechanism assembly.

(1) Disconnect the card wires from connector CN3001, CN3002, CN4001 on the main board.
(2) Hooks **a** and **b** are removed respectively, and the front panel assembly is removed.

NOTE:
In case of attach a front panel assembly, please let a card wire pass in the hole in the front part of a chassis, respectively, and connect.

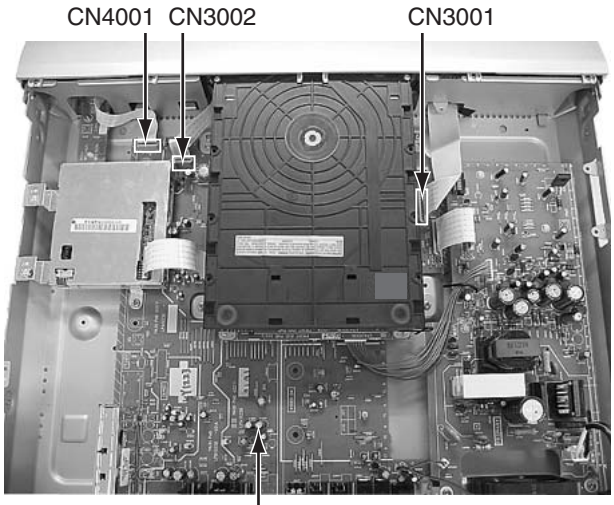


Fig.2

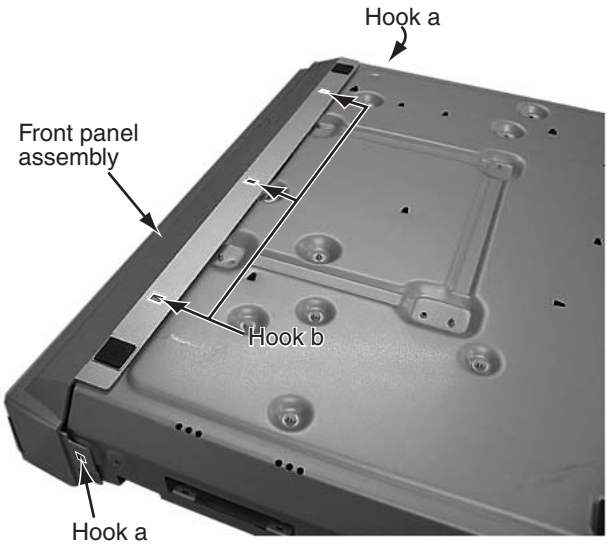


Fig.3

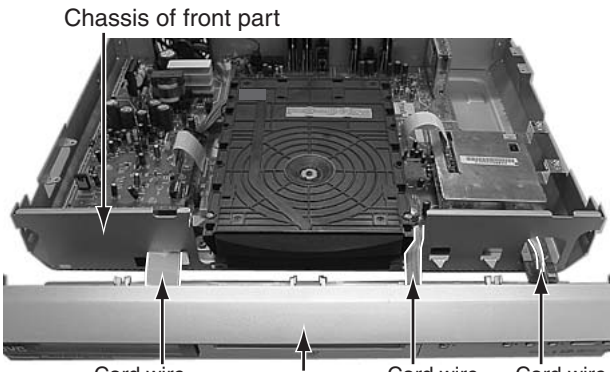


Fig.4

3.1.3 Remove the mechanism assembly (See figure 5)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the front panel assembly.

(1) Disconnect the socket wire from connector CN451 on the servo control board.
(2) Disconnect the card wire from connector CN2201 on the digital board.
(3) Remove the four screws **C** attaching the mechanism assembly.

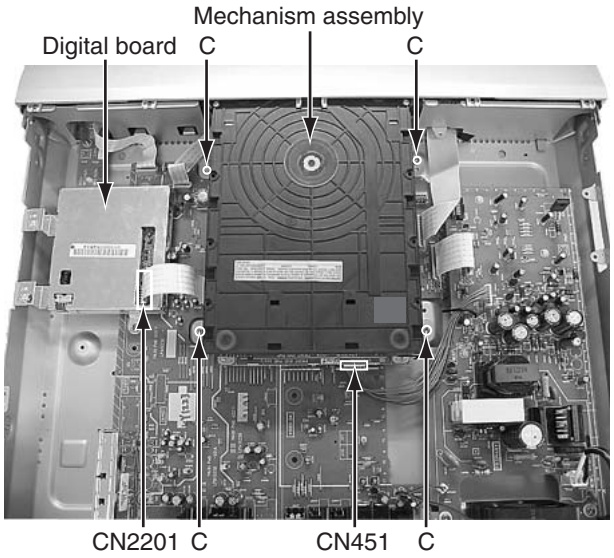


Fig.5

3.1.4 Remove the digital board (See figure 6, figure 7)

- Prior to performing the following procedure, remove the top cover.

(1) Disconnect the card wire from connector CN2201 on the digital board.
(2) Remove the four screws **D** and **E** attaching the digital board.
(3) Remove the one screw **F** attaching the jack board.
(4) Lift the digital board up, and remove it. Then, the digital board is removed from the connectors CN4101, CN4102 on the main board. In attaching the digital board, insert the connector on the digital board in these connectors securely.

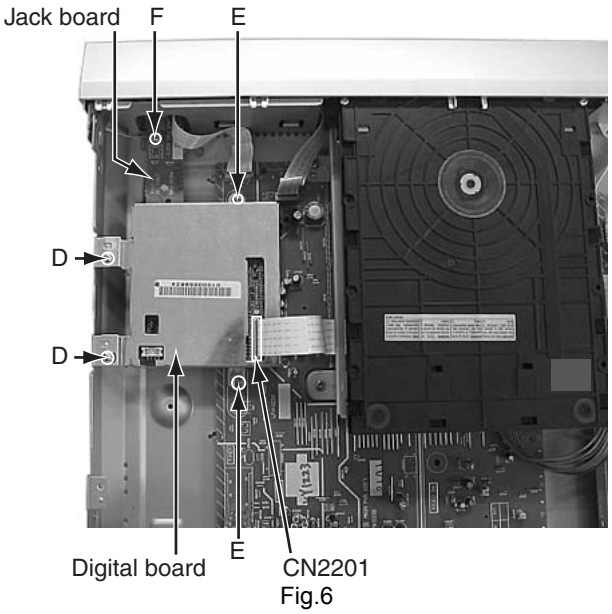


Fig.6

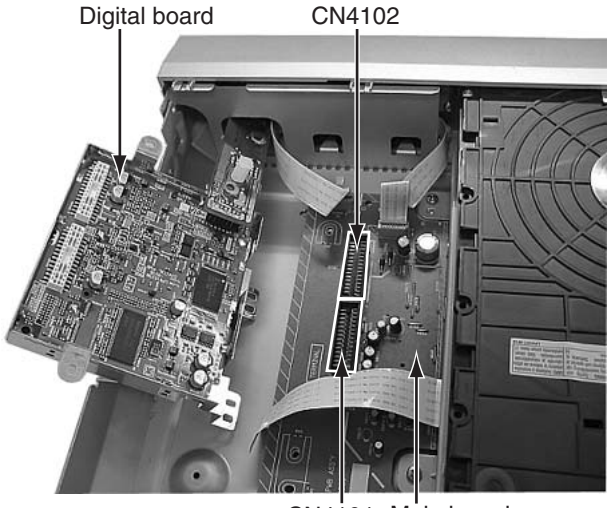


Fig.7

3.1.5 Remove the switching regurator board (See figure 8)

- Prior to performing the following procedure, remove the top conver.
  (1) Disconnect the card wire from connector CN5301 on the switching regurator board.
  (2) Disconnect the socket wire from connector CN5302, CN5304, CN5305 on the switching regurator board.
  (3) Disconnect the power cord from connector CN5001 on the switching regurator board.
  (4) Remove the two screws **G** attaching the switching regurator board.
  (5) Four fasteners are removed.

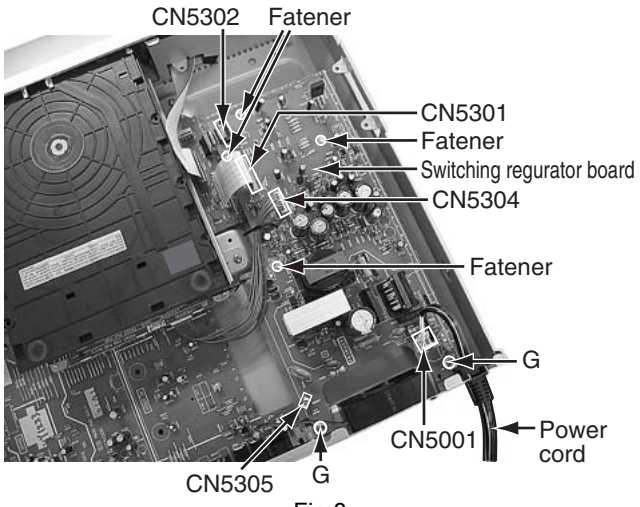


Fig.8

3.1.6 Remove the main board (See figure 9, figure 10)

- Prior to performing the following procedure, remove the top cover, mechanism assembly, module board.
  (1) Disconnect the card wire from connector CN3001, CN3002, CN4001, CN5101 on the main board.
  (2) Disconnect the socket wire from connector CN5302 on the switching regurator board.
  (3) Remove the two screws **H** attaching the main board.
  (4) Remove the eight screws **I** attaching the rear panel with main board.

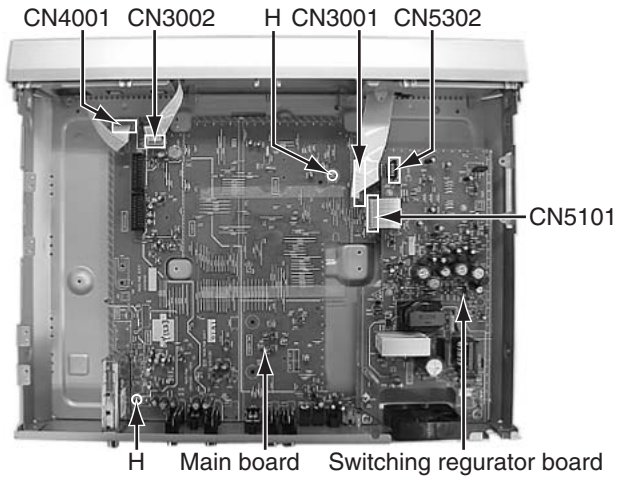


Fig.9

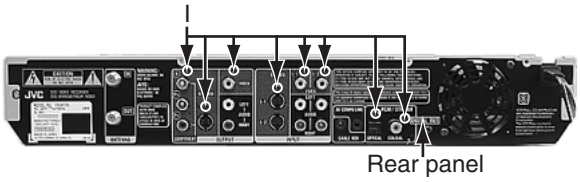


Fig.10

3.2 Loading mechanism assembly

3.2.1 Remove the clamper base (See figure 1, figure 2, figure 3)

(1) The part a on the reverse side of a mechanism assembly is made to slide in the direction of an arrow with a driver etc. (A tray ejects a few.)
(2) Remove the two screws **A** attaching the clamper base.
(3) After making a clamper base slide in the direction of an arrow, it raises upward and removes.
(4) A tray is removed.
- The cautions at the time of attaching a clamper base
  Please make a tray into a closing position.
  A shutter guide is moved to left side.

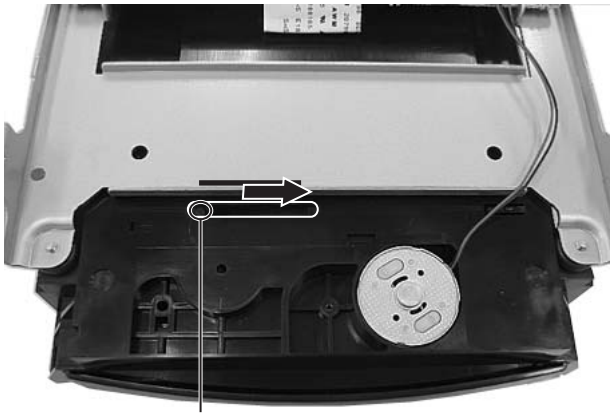


Fig.1

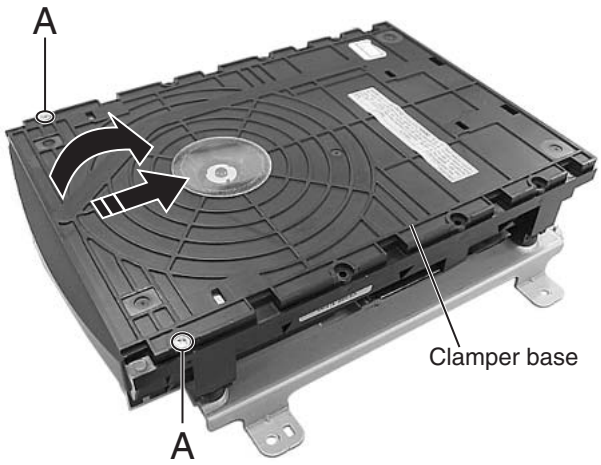


Fig.2

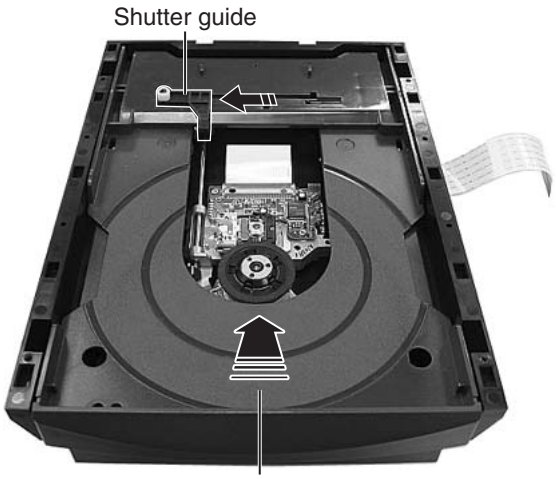


Fig.3

3.2.2 Remove the traverse mechanism assembly (See figure 4, figure 5, figure 6)

- Prior to performing the following procedure, remove the clamper base and tray.
  (1) Disconnect the card wire from connector CN1 on the pick-up unit.
  (2) Disconnect the flexible wire from connector CN301 on the servo control board.
  (3) Remove the one screw **B** attaching the mechanism bracket.
  (4) Remove the four screws **C** and **D** attaching the leaf spring.
  (5) Remove the two screws **E** and **F** attaching the traverse mechanism assembly.
  (6) When a traverse mechanism assembly is in the lowest position, a gear 1 is turned clockwise, and since a traverse mechanism assembly is moved to the upper position, it is removed.

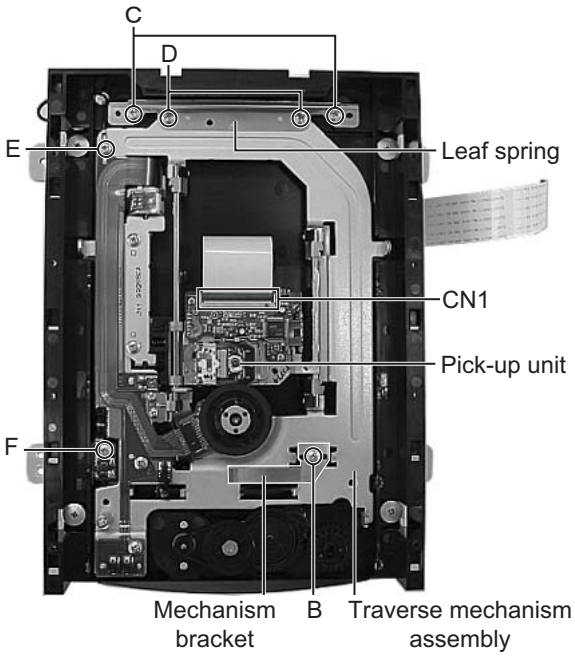


Fig.4

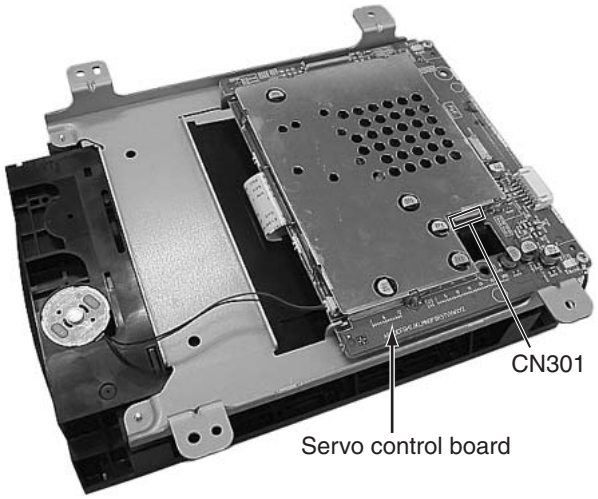


Fig.5

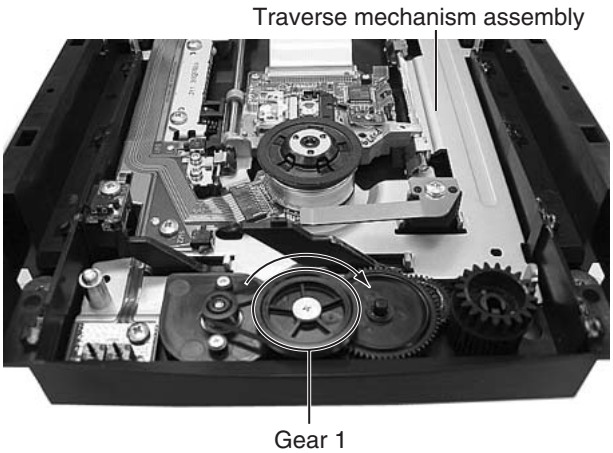


Fig.6

3.2.3 Remove the flexible wire assembly (See figure 7)

- Prior to performing the following procedure, remove the clamper base and tray.
  (1) Remove the four screws **G** and **H** attaching the flexible wire assembly.
  (2) Remove the solder part **b** soldered to the feed motor.
  (3) Remove the two screws **I** attaching the shaft guide.
  (4) Disconnect the flexible wire from connector CN1 on the spindle motor board.

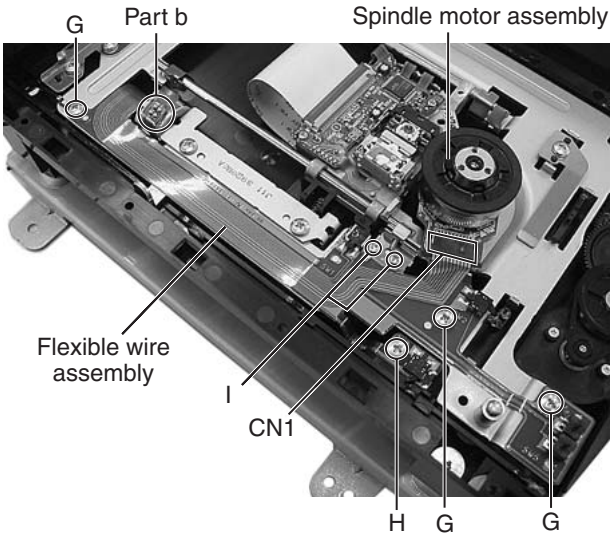


Fig.7

3.2.4 Remove the servo control board and board bracket (See figure 8, figure 9)

- Prior to performing the following procedure, remove the clamper base and tray.
  (1) Disconnect the socket wire from connector CN351 on the servo control board.
  (2) Disconnect the flexible wire from connector CN301 on the servo control board.
  (3) Disconnect the card wire from pick-up unit on the servo control board.
  (4) Remove the two screws **J** attaching the servo control board.
  (5) Remove the four screws **K** attaching the board bracket.

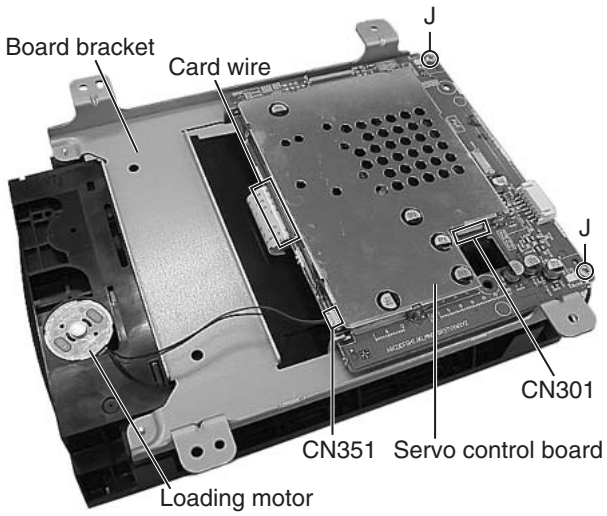


Fig.8

Fig.9

3.2.5 Remove the loading motor (See figure 8, figure 9)

- Prior to performing the following procedure, remove the clamper base and tray.
  (1) Disconnect the socket wire from connector CN351 on the servo control board.
  (2) A belt is removed.
  (3) Remove the two screws **L** attaching the loading motor.

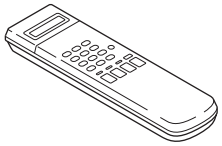
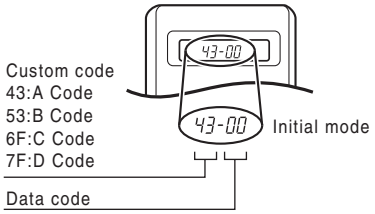
SECTION 4
ADJUSTMENT

This service manual does not describe ADJUSTMENT.

SECTION 5
TROUBLESHOOTING

5.1 JIG Mode

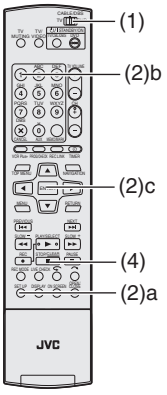
The following remote control units are required to set and cancel JIG mode.
For setting : a remote control unit attached to product.
For cancellation : JIG remote control unit (part number : PTU94023B)

Remote control unit attached to product	JIG remote control unit
	 JIG remote control unit [Data transmission] Set the data code, and then press the ") " 3 button. 

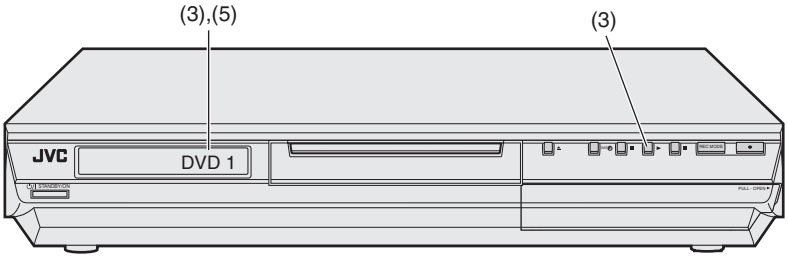
When the main body is set to JIG mode and when the main body is under JIG mode, the remote control unit attached to product operates only in "Remote Control Code 1". Since main body is in "Remote Control Code 3" when it is shipped and just after its batteries are changed, "Remote Control Code 3" needs to be changed to "Remote Control Code 1."

< Changing Remote Control Code >

(1) Switch TV/CABLE/DBS/DVD Switch to "DVD"
(2) Press the numeric button "1" of the remote control unit while pressing the "SET UP" button of the remote control unit. Then, press the "ENTER" button, and then release the "SET UP" button.
(3) Press the "PLAY" button of the main body for five seconds or longer while the main body is in stand-by mode, and a current remote control code of the main body is displayed in FL indicator of the main body.
(4) While keeping the state of (3), press the "STOP" button of the remote control unit toward the main body.
(5) The code currently set on the remote blinks on the FL display for approximately 5 seconds, and is applied to the unit. When FL indicator displays "DVD1," it means that the Remote Control Code has been changed to "1."



"(2) a-c" shows the order of pressing the buttons.



5.1.1 Setting JIG mode

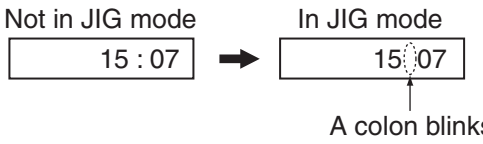
To display SYSTEM INFO or to upgrade firmware, the main body needs to be set to JIG mode.

(1) Turn the main body ON.

(2) Press the buttons of the remote control unit attached to product in the following order : "SET UP" → "2" → "8" → "ENTER"

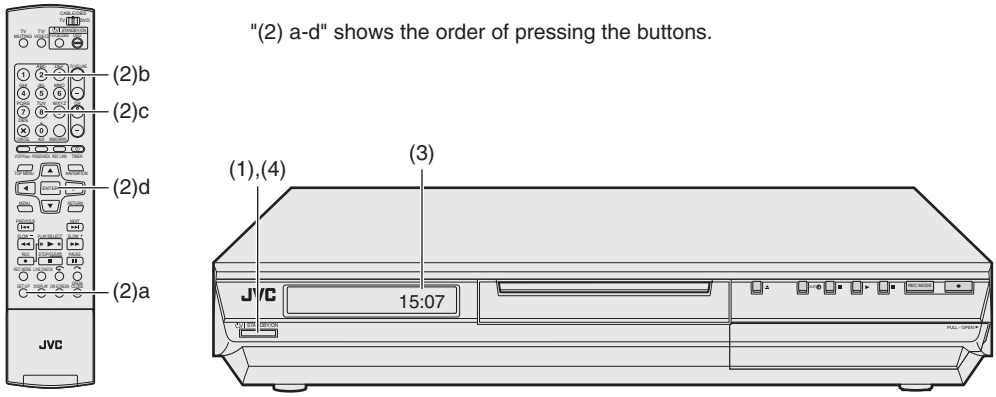
(3) When a colon ":" between "hour" and "minute" of a clock in FL indicator blink, it means that the main body has been set to JIG mode properly.

[Example]



(4) Turn the main body OFF, and then turn it ON again.

*Once the main body is set to JIG mode, the JIG mode cannot be cancelled even if the power cord is pulled out from the wall socket.



5.1.2 Canceling JIG mode

(1) Transmit "43-9D" to the main body by using JIG remote control unit.

(2) A colon ":" between "hour" and "minute" of a clock in FL indicator light.

(3) Turn the main body OFF, and then turn it ON again.

NOTE:

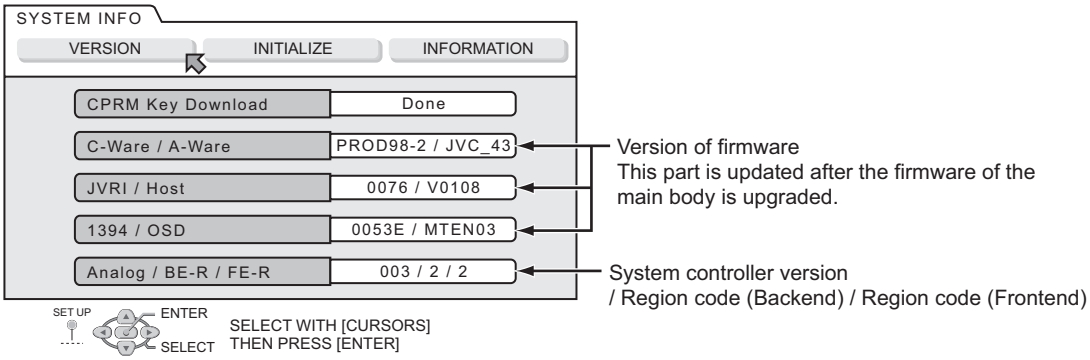
After repair work, be sure to cancel JIG mode. Before returning product to a user, confirm that a colon ":" between "hour" and "minute" of a clock in FL indicator light.

5.2 Displaying SYSTEM INFO

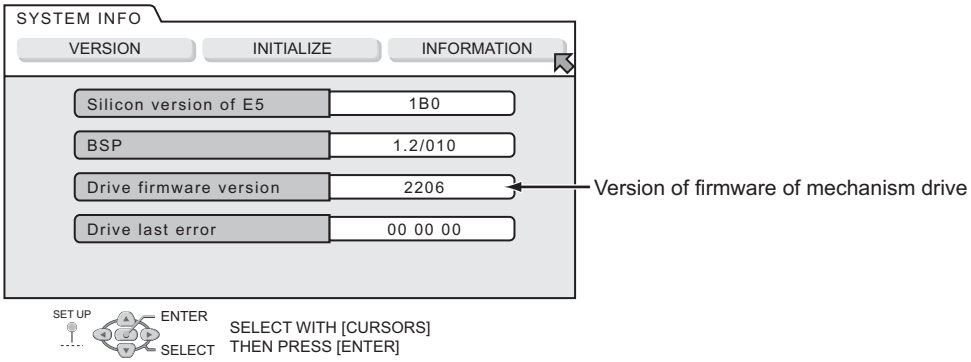
SYSTEM INFO contains information on firmware version of the main body and the mechanism drive.

(1) Set the main body to JIG mode.
(2) Transmit "43-8B" to the main body by using JIG remote control unit.
(3) SYSTEM INFO menu is displayed in the television screen.
(4) To move cursor in SYSTEM INFO, use the "▲", "▼", "◀ ", and " ▶" buttons of a remote control unit attached to product.

< VERSION >



< INFORMATION >



NOTE :

Items other than the ones described above are not used in service work.

(5) To quit the SYSTEM INFO menu, transmit "43-8B" to the main body by using JIG remote control unit.
(6) Cancel JIG mode.

5.3 Update firmware of the main body

- Firmware updare disk supports CD-R media.
  (1) Download a compressed file of the latest firmware in "Digital Video Storage" page in JS-NET.
  (2) Decompress the file, and a file "fwupdate.bin" is generated.
  (3) Write "fwupdate.bin" in CD-R in ISO9660 format.(Don't use Packet Write software. Write in UDF format.)
  (4) Set the main body to JIG mode.
  (5) Transmit "43-70" to the main body by using JIG remote control unit.
  (6) "UPDATE" appears in FL indicator. Load disk for update on the tray, and close the tray.
  (7) Update processing is started automatically.
  (8) Then, "FW UPDATE" appears in FL indicator. It takes approx. **10 minutes** at maximum to update firmware.
  (9) The tray is ejected. Then, take out the disk and close the tray.
  (10) Turn the main body OFF, and pull out the power cord from the wall socket. Then, plug the power cord into the wall socket.
  (11) "LOADING" of FL indicator disappears. Then, turn the main body ON.
  (12) Display the SYSTEM INFO menu, and check the version of the firmware.
  (13) Cancel JIG mode.

ATTENTION :

Firmware may sometimes not be update successfully.
If firmware is not update successfully, the tray opens, and "ERROR" appears in FL indicator.
If firmware is update successfully, the tray opens, and "OPEN" appears in FL indicator.
If the power cord is pulled out from the wall socket while "ERROR" appears, data in the flash memory is destroyed and the main body cannot start: the flash memory needs to be replaced.
After update procedure, pay enough attention to FL indicator when the tray opens.

When "ERROR" appears, update firmware again in the following way to restore the firmware.
(1) Transmit "43-70" to the main body by using JIG remote control unit while the tray opens.
(2) When "UPDATE" appears in FL indicator, close the tray and make the main body read the disk. Update starts.
(3) After (2), perform update procedure (4) - (10) of 5.1.4 Update firmware of the main body above.

5.4 Update firmware of the mechanism drive

- The update disk of a firmware corresponds only to DVD-RAM media.
- When update of a firmware is required, it writes in from a "Digital Video Storage CSG" and disk is distributed.
  (1) The power supply of a main part is turned ON.
  (2) Load disk for update on the tray, and close the tray.
  (3) It is displayed on FL display part as "READING", and update starts.
  (4) The tray is ejected. Then, take out the disk and close the tray.
  (5) Set the main body to JIG mode, and check the version of the firmware of mechaism drive.

5.5 The setting method of a region code

A region code should be set after a DVD recorder mechanism unit is replaced.
While a DVD recorder mechanism unit is in a warehouse as a stock, a region code of the drive unit is not determined.
Only replacement of a DVD recorder mechanism unit may cause abnormal playback of Disc.
Set a region code of a DVD recorder mechanism unit in the following procedure.
(1) Replace a DVD recorder mechanism unit.
(2) Turn POWER switch of the unit ON.
(3) Set the main body to JIG mode.
(4) Insert a DVD-RAM disc in the unit to make the unit read the DVD-RAM disc.(The DVD-RAM disk used in this procedure is not a disk for upgrade. If it is a DVD-RAM disk, it is good anything.)
(5) Send "43-F2" to the unit by using JIG remote control unit.
(6) "REGION 2" is displayed on FL display.
(7) Set the unit to STANDBY.
(8) Turn the POWER switch ON.
(9) To cancel JIG MODE, send "43-9D" to the unit by using JIG remote control unit.
(10) Colon is displayed on a clock on FL display.
(11) Setting is completed in the procedure above.

5.6 Taking out a disc

5.6.1 Method 1

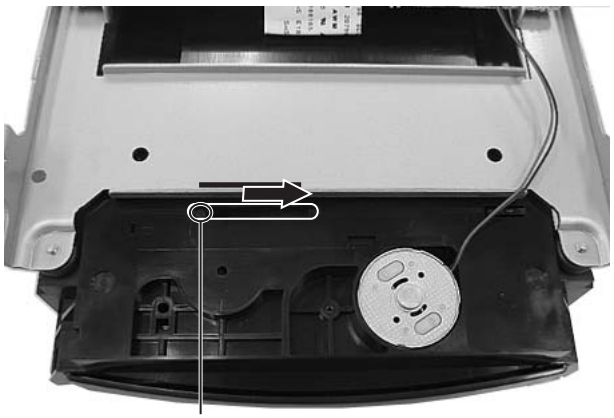
There is compulsive tray ejection mode by electric operation.

(1) AC Plug is pulled out at once and inserted again.
(2) It is displayed on FL display as "LOADING", and while it blinks, pushing the EJECT button of a main body is continued.
(3) After a while, a tray opens (About 20 seconds).
(4) A disk is removed, the EJECT button of a main body is pushed, and a tray is made to close.
(5) The "LOADING" blink display of FL display disappears and it will be in a standby state.
(6) If the POWER button is pushed, it will usually be operating.

5.6.2 Method 2

When a disk is not able to be taken out by operation of "Method 1"
A tray can be ejected mechanically, without switching on a power supply.

(1) A mechanism drive is removed from a main body.
(2) The part **a** on the reverse side of a mechanism assembly is made to slide in the direction of an arrow with a driver etc.
(3) Since a tray ejects a few, a tray is pulled out manually.



5.7 Initialization to a factory-shipments state

Since the information on internal is as follows if it initializes, before enforcement, it is required to surely obtain the approval of a end user.

- All the libraries of DVD are eliminated.
- All initial setting of DVD returns to an initial state.

(1) Set the main body to JIG mode.
(2) Transmit "43-6F" to the main body by using JIG remote control unit.
(3) It is displayed on FL display part as "FACTORY", and it is set to "CHECK OK" after blinking for a while.
(4) A power cord is extracted.
(5) Since JIG mode is canceled compulsorily, please insert a power cord again and, simultaneously with operation of this initialization, check that JIG mode is canceled. (The colon of a clock display be on)

JVC SERVICE & ENGINEERING COMPANY OF AMERICA

DIVISION OF JVC AMERICAS CORP.

www.jvcservice.com(US Only)

JVC CANADA INC.

Head office : 21 Finchdene Square Scarborough, Ontario M1X 1A7 (416)293-1311

JVC®

(No.XA019)

Printed in Japan
WPC

JVC

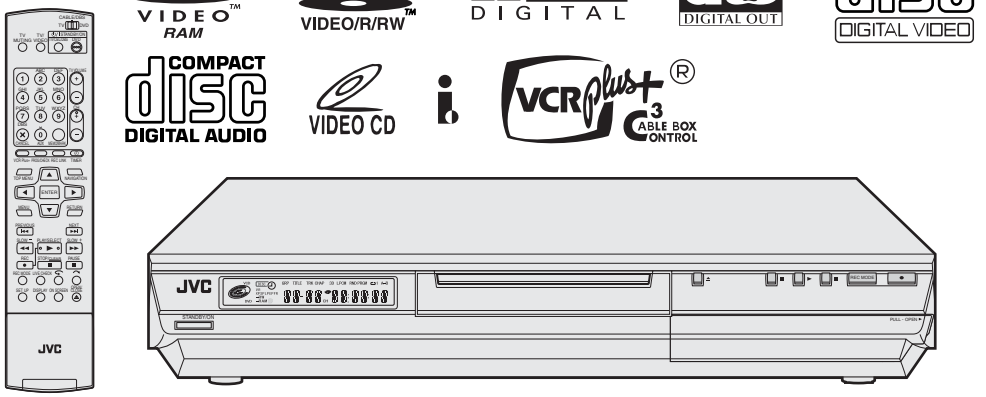
SCHEMATIC DIAGRAMS

DVD VIDEO RECORDER

DR-M10SUS, DR-M10SUC
DR-M10SUJ

CD-ROM No.SML200405

Area Suffix	
US	U.S.A.
UC	Canada
UJ	U.S.A Militaly



DR-M10SUS, DR-M10SUC, DR-M10SUJ [D4R10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

COPYRIGHT © 2004 VICTOR COMPANY OF JAPAN, LIMITED.

No.XA019SCH
2004/05

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components indentified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ(1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

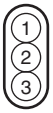
2. Indications of control voltage

AUX : Active at high.

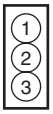
$\overline{\text{AUX}}$ or AUX(L) : Active at low.

3. Interpreting Connector indications

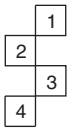
Removable connector



Wire soldered directly on board



Non-removable Board connector



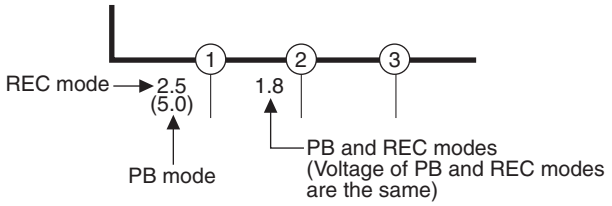
Board to Board

Connected pattern on board
The arrows indicate signal path

Note: For the destination of each signal and further line connections that are cut off from the diagram, refer to "BOARD INTERCONNECTIONS"

4. Voltage measurement

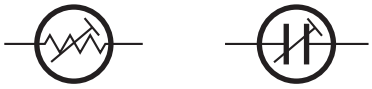
1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
2) Indication on schematic diagram
   Voltage indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.

CIRCUIT BOARD NOTES

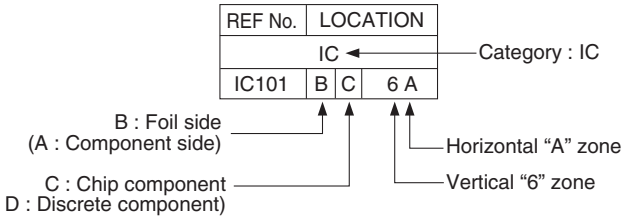
1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

rts location are indicated by guide scale on the circuit board.

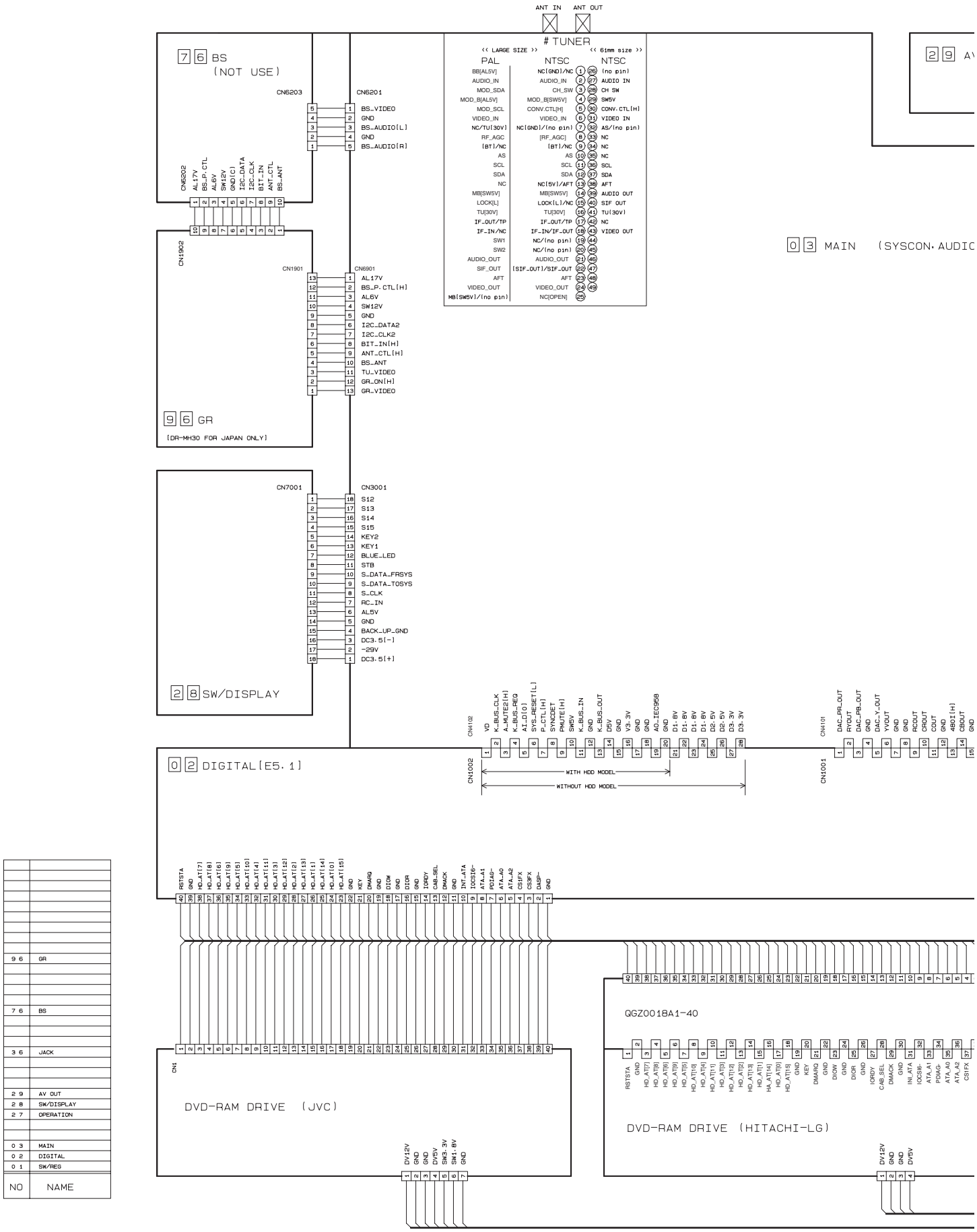
2. Parts location guides

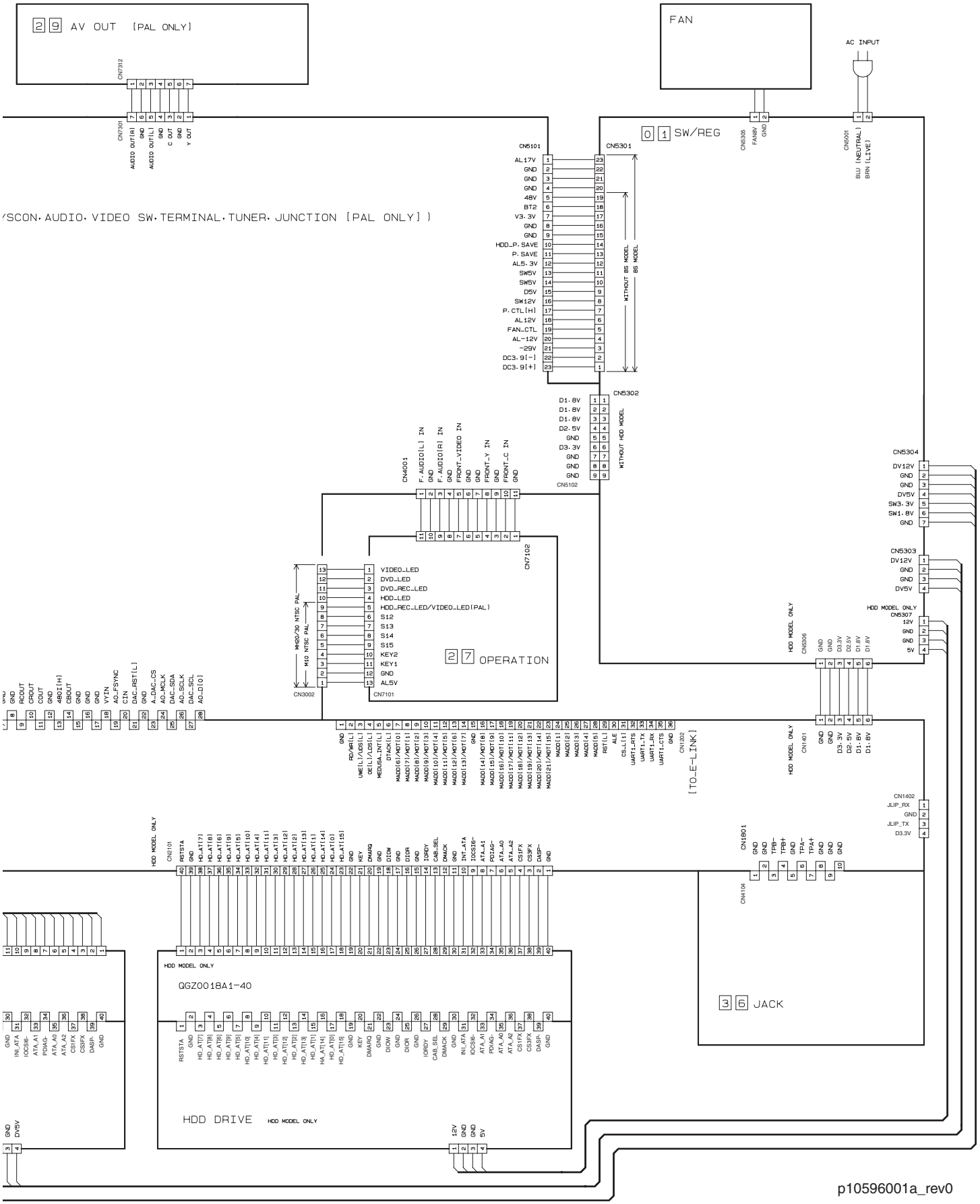
Parts location are indicated by guide scale on the circuit board.



Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

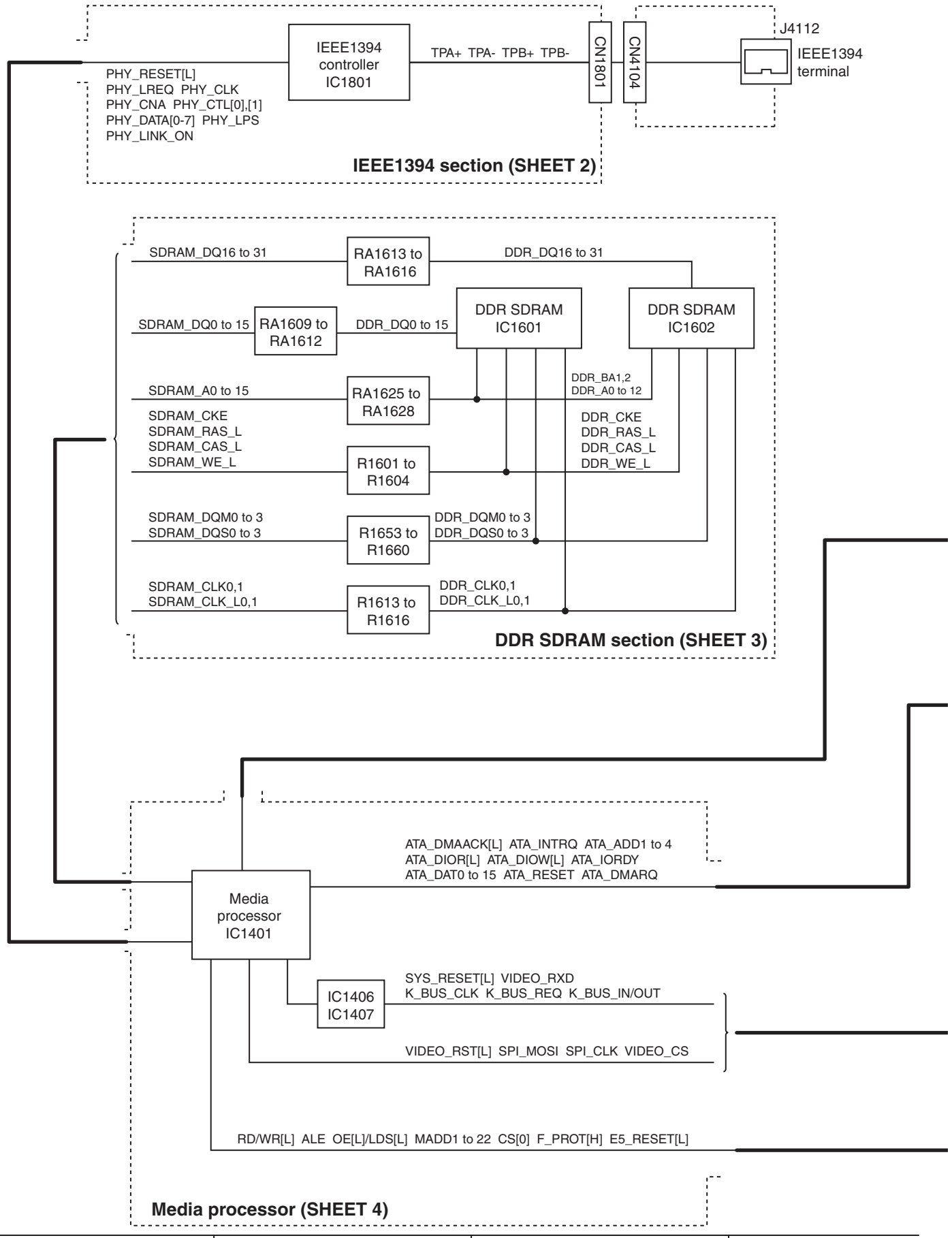
Wiring diagrams



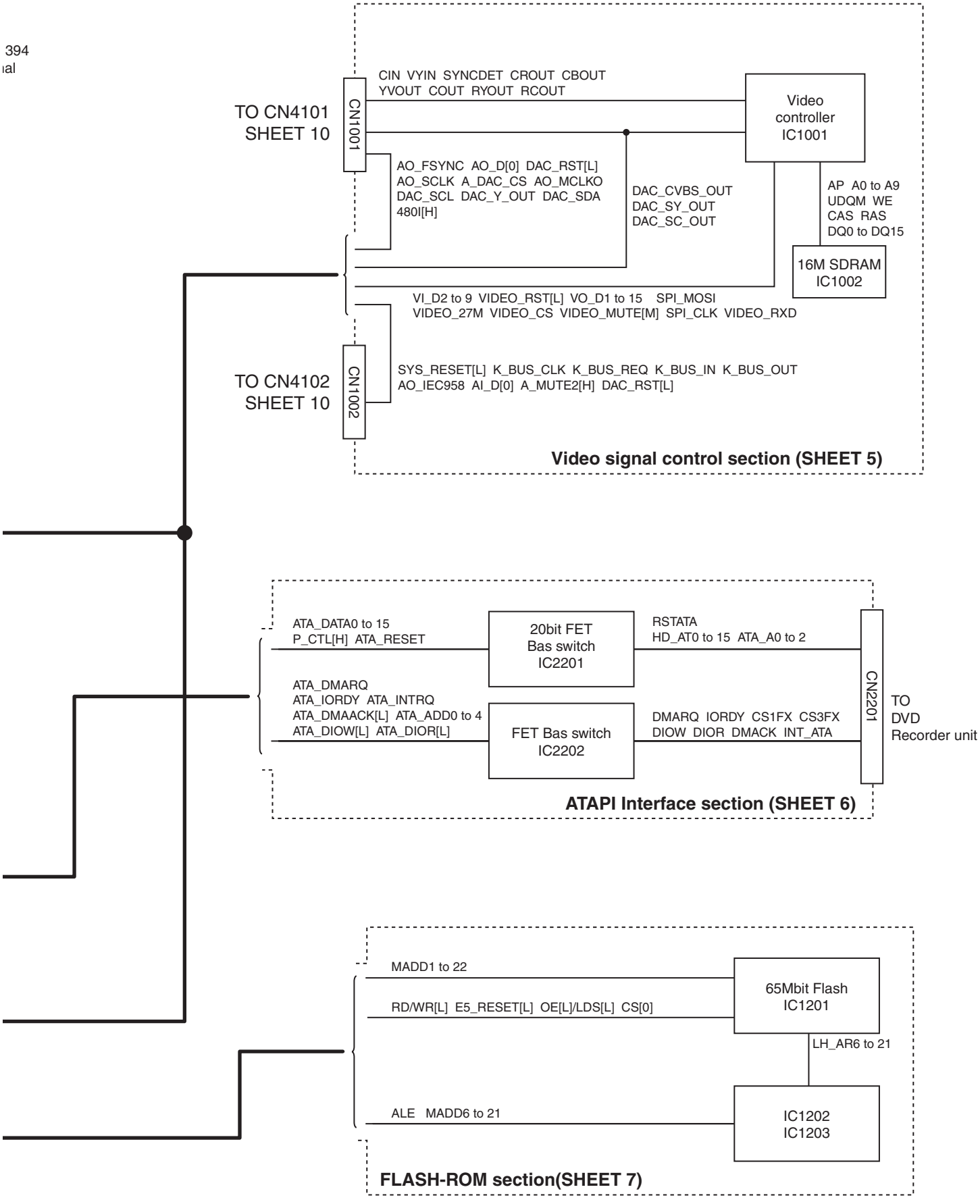

29 AV OUT [PAL ONLY]
FAN
AC INPUT
01 SW/REG
/SCON, AUDIO, VIDEO SW, TERMINAL, TUNER, JUNCTION [PAL ONLY])
CN7312
CN7301
AUDIO OUT(R)
GND
AUDIO OUT(L)
GND
C OUT
GND
Y OUT
CN5101
CN5301
CN5305
FAN8V
GND
CN5001
BLU (NEUTRAL)
BRN (LIVE)
AL17V
GND
GND
GND
48V
BT2
V3.3V
GND
GND
HDD_P.SAVE
P.SAVE
AL5.3V
SW5V
SW5V
D5V
SW12V
P.CTL(H)
AL12V
FAN_CTL
AL-12V
-29V
DC3.9(-)
DC3.9(+)
WITHOUT BS MODEL
BS MODEL
CN5302
D1.8V
D1.8V
D1.8V
D2.5V
GND
D3.3V
GND
GND
GND
WITHOUT HDD MODEL
CN5102
CN4001
F.AUDIO(L) IN
GND
F.AUDIO(R) IN
GND
FRONT_VIDEO IN
GND
GND
FRONT_Y IN
GND
FRONT_C IN
GND
CN7102
CN5304
DV12V
GND
GND
DV5V
SW3.3V
SW1.8V
GND
CN5303
DV12V
GND
GND
DV5V
HDD MODEL ONLY
CN5307
12V
GND
GND
5V
HDD MODEL ONLY
CN5306
GND
GND
D3.3V
D2.5V
D1.8V
D1.8V
VIDEO_LED
DVD_LED
DVD_REC_LED
HDD_LED
HDD_REC_LED/VIDEO_LED(PAL)
S12
S13
S14
S15
KEY2
KEY1
GND
AL5V
M420/30 NTSC PAL
M10 NTSC PAL
27 OPERATION
CN3002
CN7101
GND
RCOUT
CROUT
COUT
GND
4BDI[H]
CBOUT
GND
GND
VVIN
AO_FSYNC
CIN
DAC_RST[L]
GND
A_DAC_CS
AO_MCLK
DAC_SDA
AO_SCLK
DAC_SCL
AO_DI[0]
CN3302
[TO_E-LINK]
HDD MODEL ONLY
CN1401
CN1402
JLIP_RX
GND
JLIP_TX
D3.3V
CN1801
CN4104
HDD MODEL ONLY
CN2101
QGZ0018A1-40
HDD DRIVE
HDD MODEL ONLY
36 JACK
12V
GND
GND
5V
GND
DV5V
p10596001a_rev0

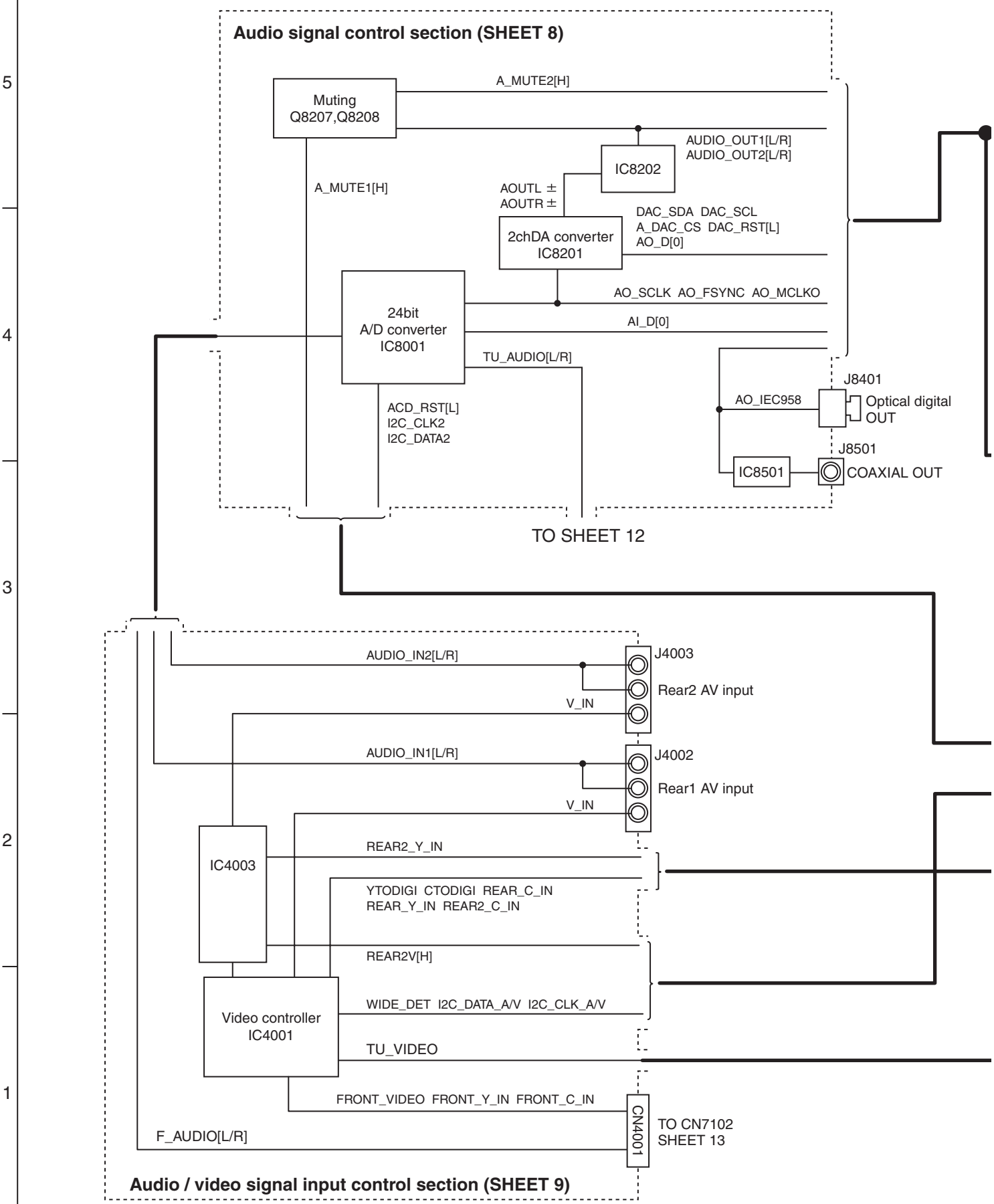
Block diagrams

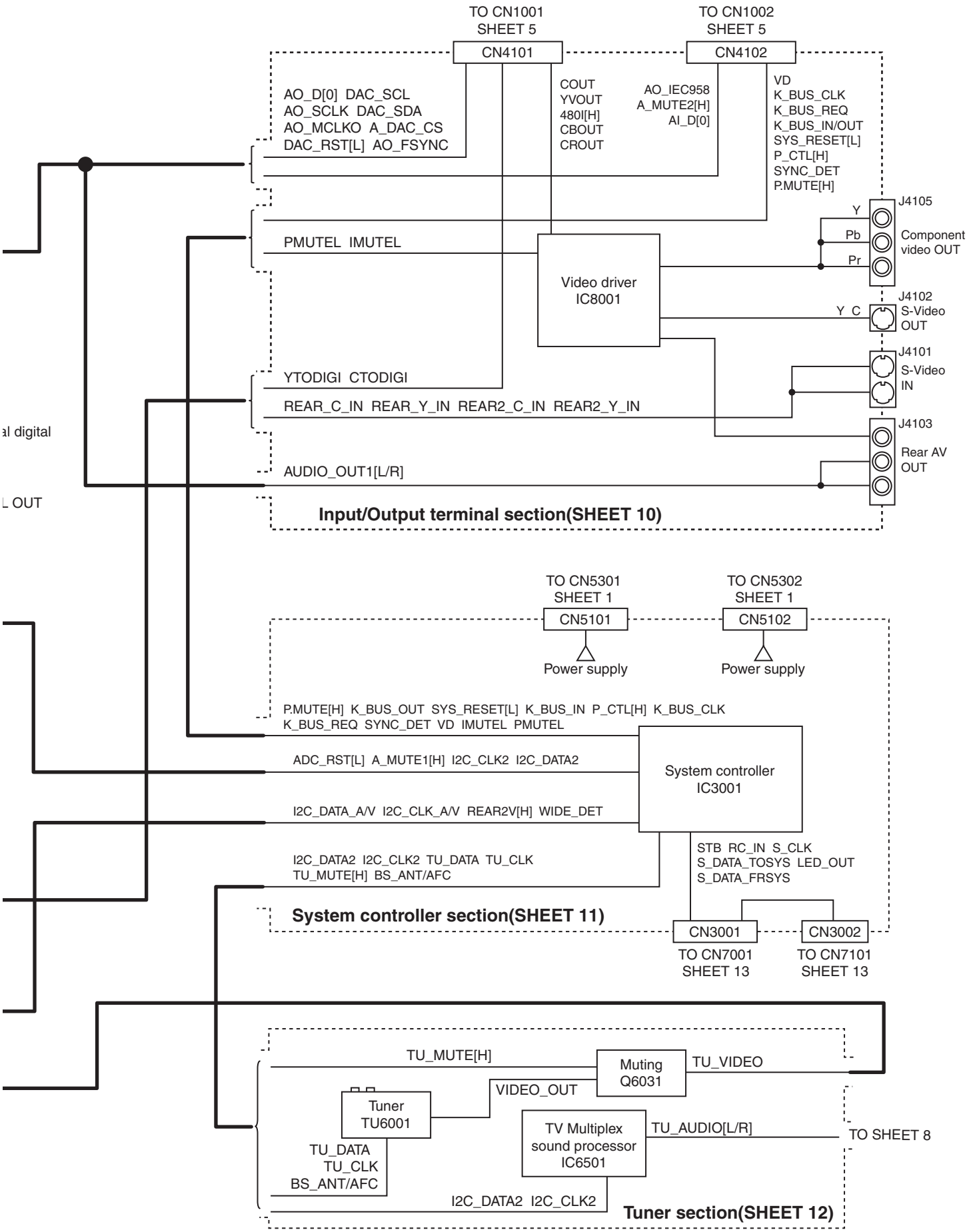
■ DIGITAL 0 2



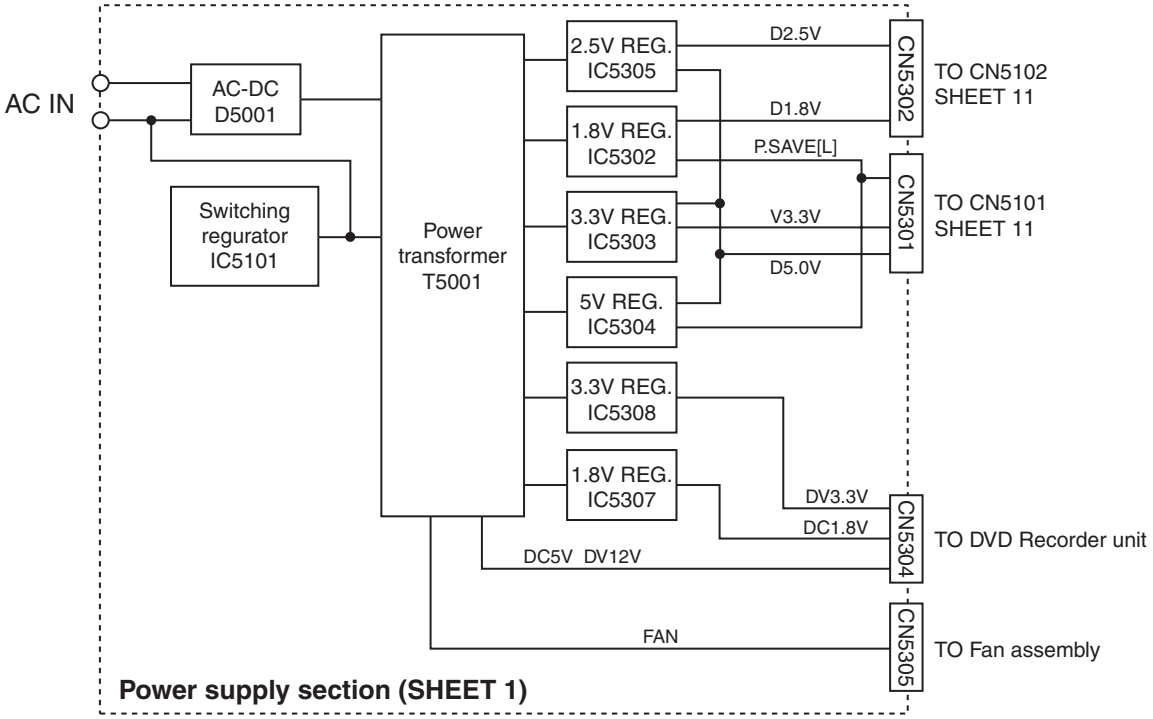
394
ıal


TO CN4101
SHEET 10
CN1001
CIN VYIN SYNCDET CROUT CBOUT
YVOUT COUT RYOUT RCOUT
Video
controller
IC1001
AO_FSYNC AO_D[0] DAC_RST[L]
AO_SCLK A_DAC_CS AO_MCLKO
DAC_SCL DAC_Y_OUT DAC_SDA
480I[H]
DAC_CVBS_OUT
DAC_SY_OUT
DAC_SC_OUT
AP A0 to A9
UDQM WE
CAS RAS
DQ0 to DQ15
16M SDRAM
IC1002
VI_D2 to 9 VIDEO_RST[L] VO_D1 to 15 SPI_MOSI
VIDEO_27M VIDEO_CS VIDEO_MUTE[M] SPI_CLK VIDEO_RXD
TO CN4102
SHEET 10
CN1002
SYS_RESET[L] K_BUS_CLK K_BUS_REQ K_BUS_IN K_BUS_OUT
AO_IEC958 AI_D[0] A_MUTE2[H] DAC_RST[L]
Video signal control section (SHEET 5)
ATA_DATA0 to 15
P_CTL[H] ATA_RESET
20bit FET
Bas switch
IC2201
RSTATA
HD_AT0 to 15 ATA_A0 to 2
ATA_DMARQ
ATA_IORDY ATA_INTRQ
ATA_DMAACK[L] ATA_ADD0 to 4
ATA_DIOW[L] ATA_DIOR[L]
FET Bas switch
IC2202
DMARQ IORDY CS1FX CS3FX
DIOW DIOR DMACK INT_ATA
CN2201
TO
DVD
Recorder unit
ATAPI Interface section (SHEET 6)
MADD1 to 22
RD/WR[L] E5_RESET[L] OE[L]/LDS[L] CS[0]
65Mbit Flash
IC1201
LH_AR6 to 21
ALE MADD6 to 21
IC1202
IC1203
FLASH-ROM section(SHEET 7)

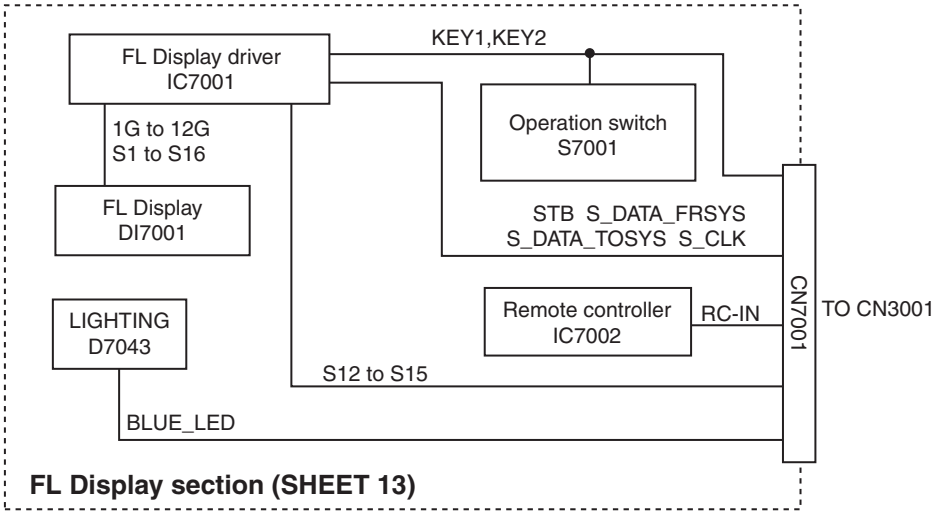

Audio signal control section (SHEET 8)
Muting
Q8207,Q8208
A_MUTE2[H]
AUDIO_OUT1[L/R]
AUDIO_OUT2[L/R]
IC8202
A_MUTE1[H]
AOUTL ±
AOUTR ±
DAC_SDA DAC_SCL
A_DAC_CS DAC_RST[L]
AO_D[0]
2chDA converter
IC8201
AO_SCLK AO_FSYNC AO_MCLKO
24bit
A/D converter
IC8001
AI_D[0]
TU_AUDIO[L/R]
J8401
AO_IEC958
Optical digital
OUT
J8501
IC8501
COAXIAL OUT
ACD_RST[L]
I2C_CLK2
I2C_DATA2
TO SHEET 12
AUDIO_IN2[L/R]
J4003
Rear2 AV input
V_IN
AUDIO_IN1[L/R]
J4002
Rear1 AV input
V_IN
IC4003
REAR2_Y_IN
YTODIGI CTODIGI REAR_C_IN
REAR_Y_IN REAR2_C_IN
REAR2V[H]
Video controller
IC4001
WIDE_DET I2C_DATA_A/V I2C_CLK_A/V
TU_VIDEO
FRONT_VIDEO FRONT_Y_IN FRONT_C_IN
CN4001
TO CN7102
SHEET 13
F_AUDIO[L/R]
Audio / video signal input control section (SHEET 9)


TO CN1001
SHEET 5
TO CN1002
SHEET 5
CN4101
CN4102
AO_D[0] DAC_SCL
AO_SCLK DAC_SDA
AO_MCLKO A_DAC_CS
DAC_RST[L] AO_FSYNC
COUT
YVOUT
480I[H]
CBOUT
CROUT
AO_IEC958
A_MUTE2[H]
AI_D[0]
VD
K_BUS_CLK
K_BUS_REQ
K_BUS_IN/OUT
SYS_RESET[L]
P_CTL[H]
SYNC_DET
P.MUTE[H]
J4105
Y
Pb
Pr
Component video OUT
PMUTEL IMUTEL
Video driver IC8001
J4102
Y C
S-Video OUT
J4101
S-Video IN
YTODIGI CTODIGI
REAR_C_IN REAR_Y_IN REAR2_C_IN REAR2_Y_IN
J4103
Rear AV OUT
AUDIO_OUT1[L/R]
Input/Output terminal section(SHEET 10)
TO CN5301
SHEET 1
TO CN5302
SHEET 1
CN5101
CN5102
Power supply
Power supply
P.MUTE[H] K_BUS_OUT SYS_RESET[L] K_BUS_IN P_CTL[H] K_BUS_CLK
K_BUS_REQ SYNC_DET VD IMUTEL PMUTEL
ADC_RST[L] A_MUTE1[H] I2C_CLK2 I2C_DATA2
System controller IC3001
I2C_DATA_A/V I2C_CLK_A/V REAR2V[H] WIDE_DET
STB RC_IN S_CLK
S_DATA_TOSYS LED_OUT
S_DATA_FRSYS
I2C_DATA2 I2C_CLK2 TU_DATA TU_CLK
TU_MUTE[H] BS_ANT/AFC
System controller section(SHEET 11)
CN3001
CN3002
TO CN7001
SHEET 13
TO CN7101
SHEET 13
TU_MUTE[H]
Muting Q6031
TU_VIDEO
VIDEO_OUT
Tuner TU6001
TV Multiplex sound processor IC6501
TU_AUDIO[L/R]
TO SHEET 8
TU_DATA
TU_CLK
BS_ANT/AFC
I2C_DATA2 I2C_CLK2
Tuner section(SHEET 12)

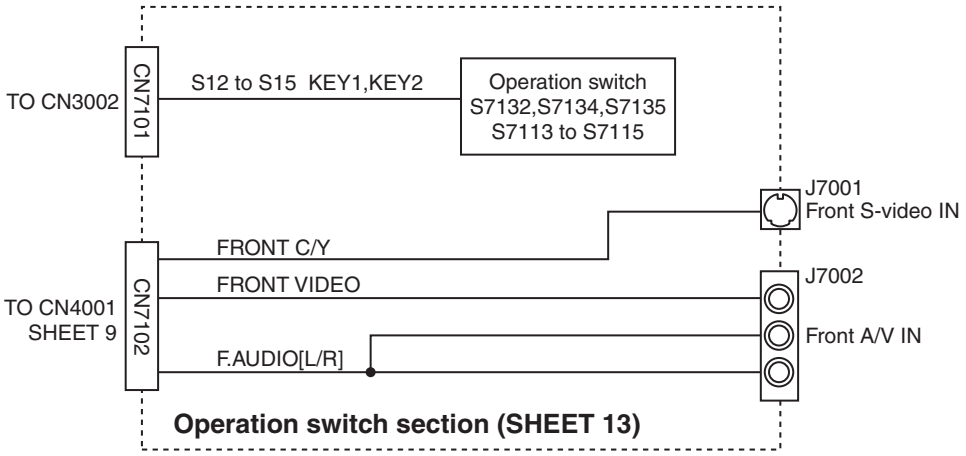
■ SW.REG 0 1



■ SW/DISPLAY 2 8

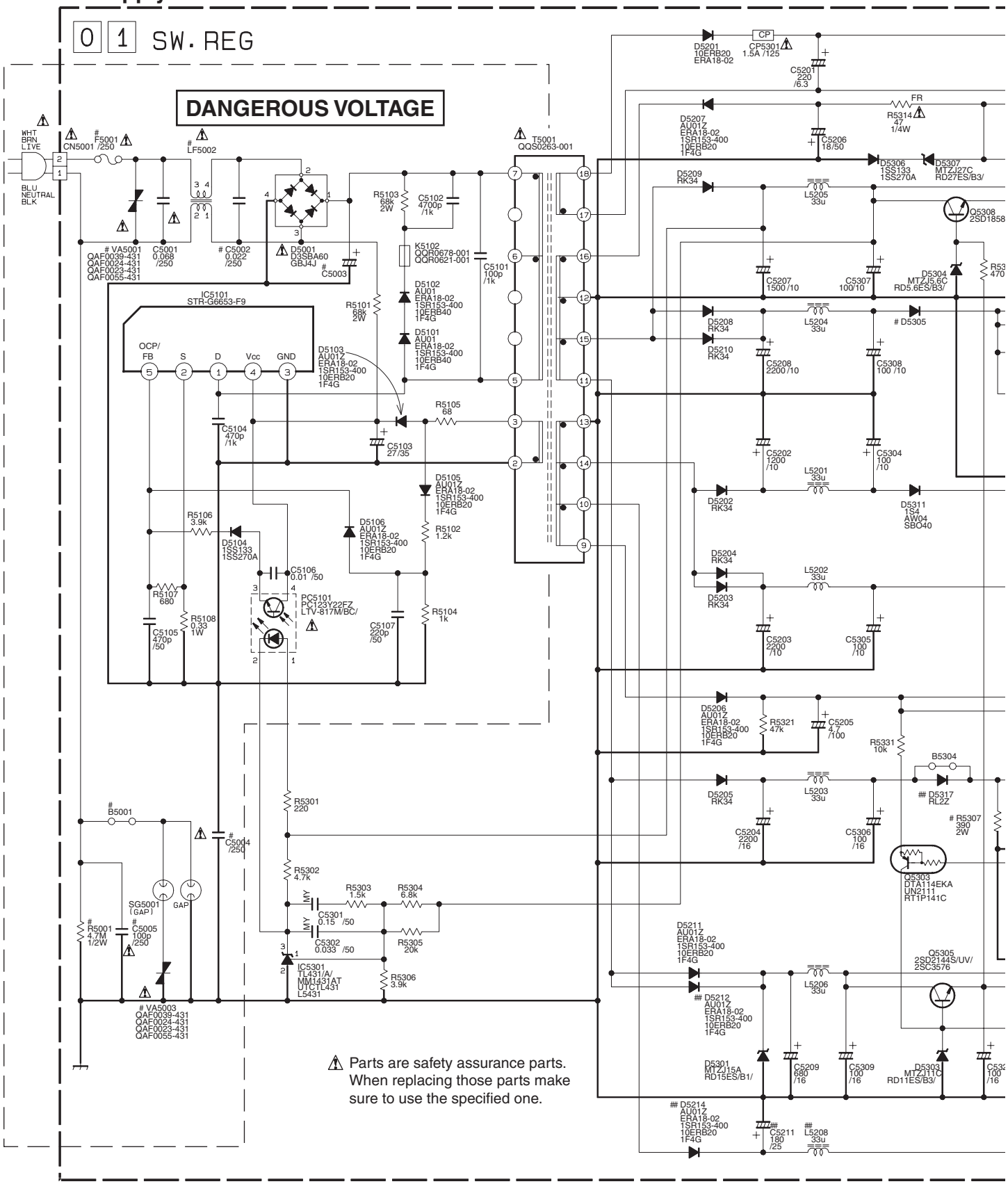


■ OPERATE 2 7


TO CN3002
CN7101
S12 to S15 KEY1,KEY2
Operation switch
S7132,S7134,S7135
S7113 to S7115
J7001
Front S-video IN
FRONT C/Y
FRONT VIDEO
J7002
TO CN4001
SHEET 9
CN7102
Front A/V IN
F.AUDIO[L/R]
Operation switch section (SHEET 13)

Standard schematic diagrams

■ Power supply section

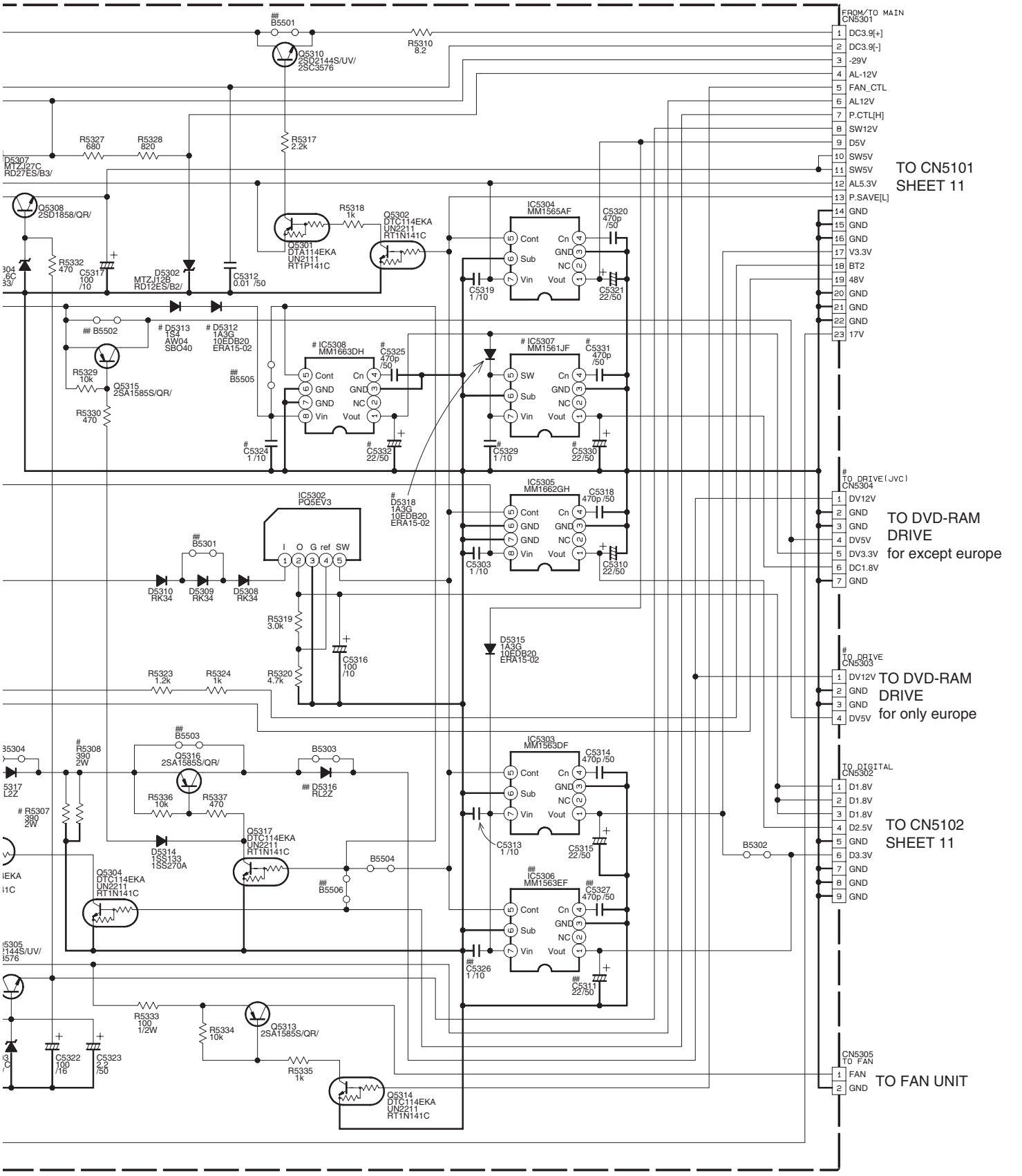


⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

##MARK ELEMENTA ARE NOT MOUNTED.
#DIFFERENCE TABLE

	B5001	C5002	C5003	C5004	C5005	F5001	LF5002	R5001	VA5001	VA5003	C5324 C5330 D5312 IC5308 R5308 C5325 C5331 D5313 IC5307 C5329 C5332 D5318 R5307	CN5303	CN5
US	YES	NO	330/200	4700p	YES	1.6A	QQR0908-001 QQR0984-001 QQR1215-001	YES	YES	NO	YES	NO	Y
JPN										YES			
EURO	NO	YES	82/400	2200p	NO	T1.6AL	QQR1031-001	NO	NO	NO	NO	YES	N

A B C D



	CN5303	CN5304	D5305
	NO	YES	RK34
	YES	NO	RL2Z

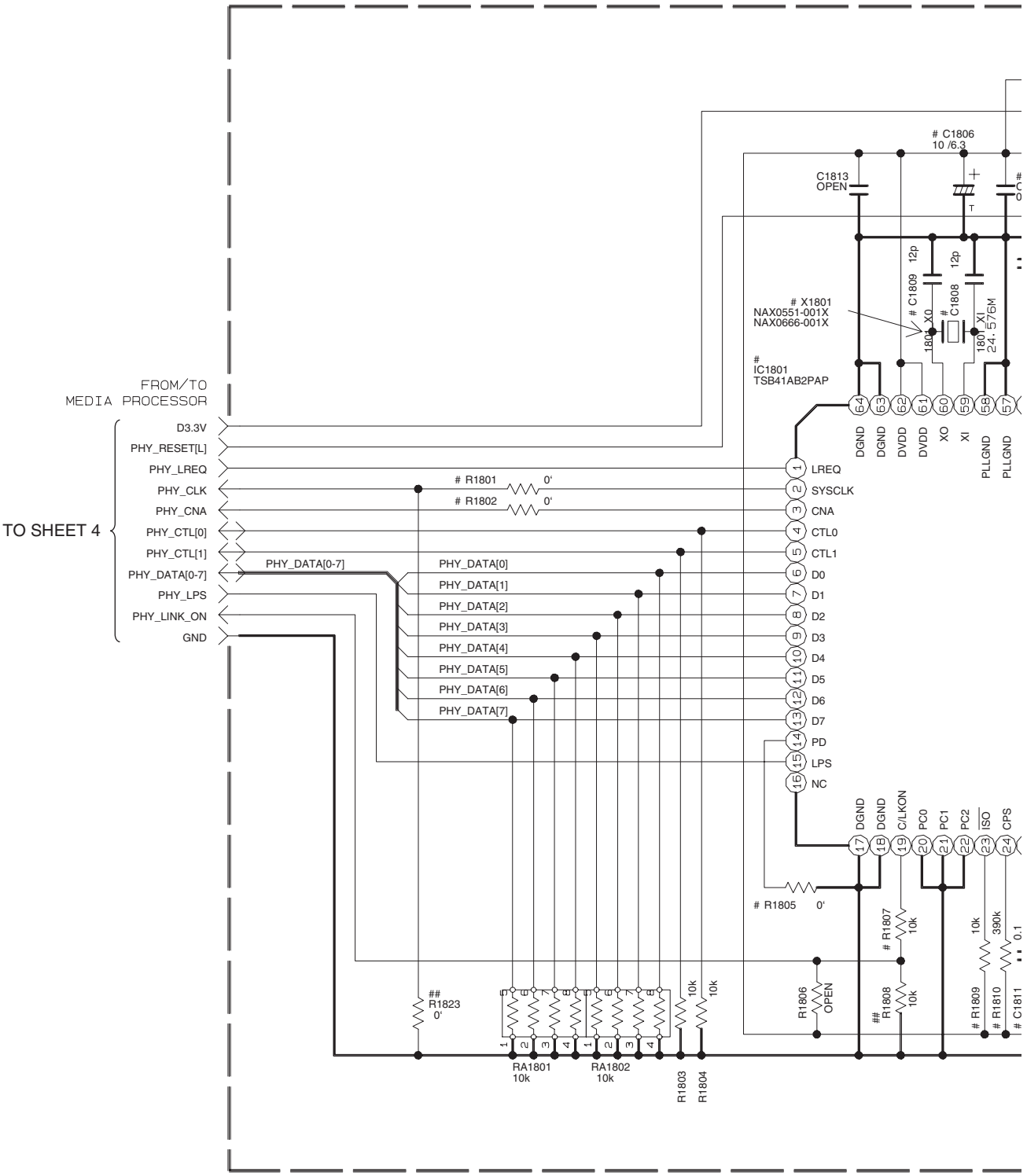
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC MYLER
CERAMIC NON POLAR

p20399001a_rev1

SHEET 1

■ IEEE1394 section



NOTES: UNLESS OTHERWISE SPECIFIED.

ALL RESISTANCE VALUES ARE IN OHMS.

ALL INDUCTANCE VALUES ARE IN H.

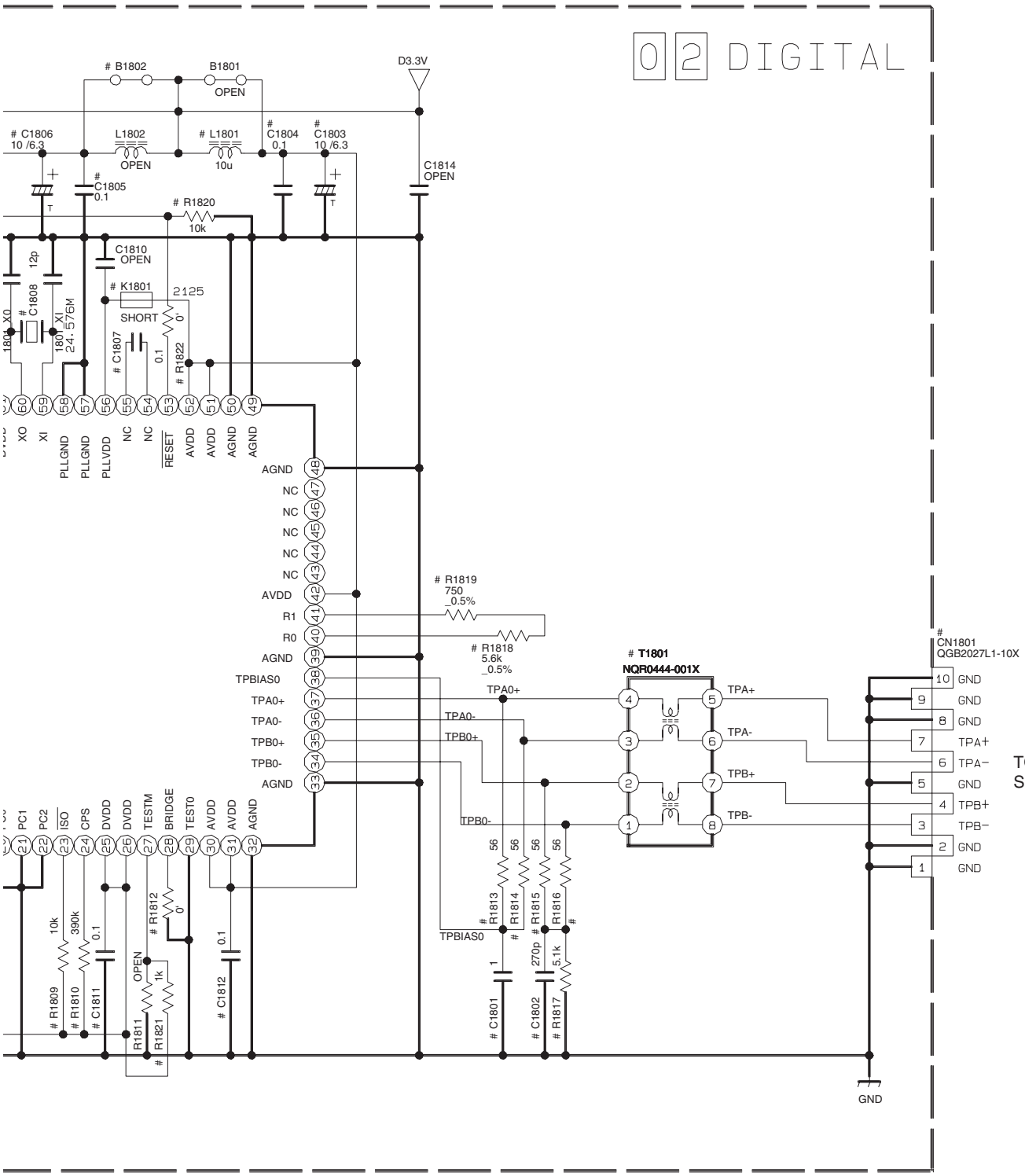
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC

CERAMIC

OS ORGANIC SEMICONDUCTOR

T TANTAL



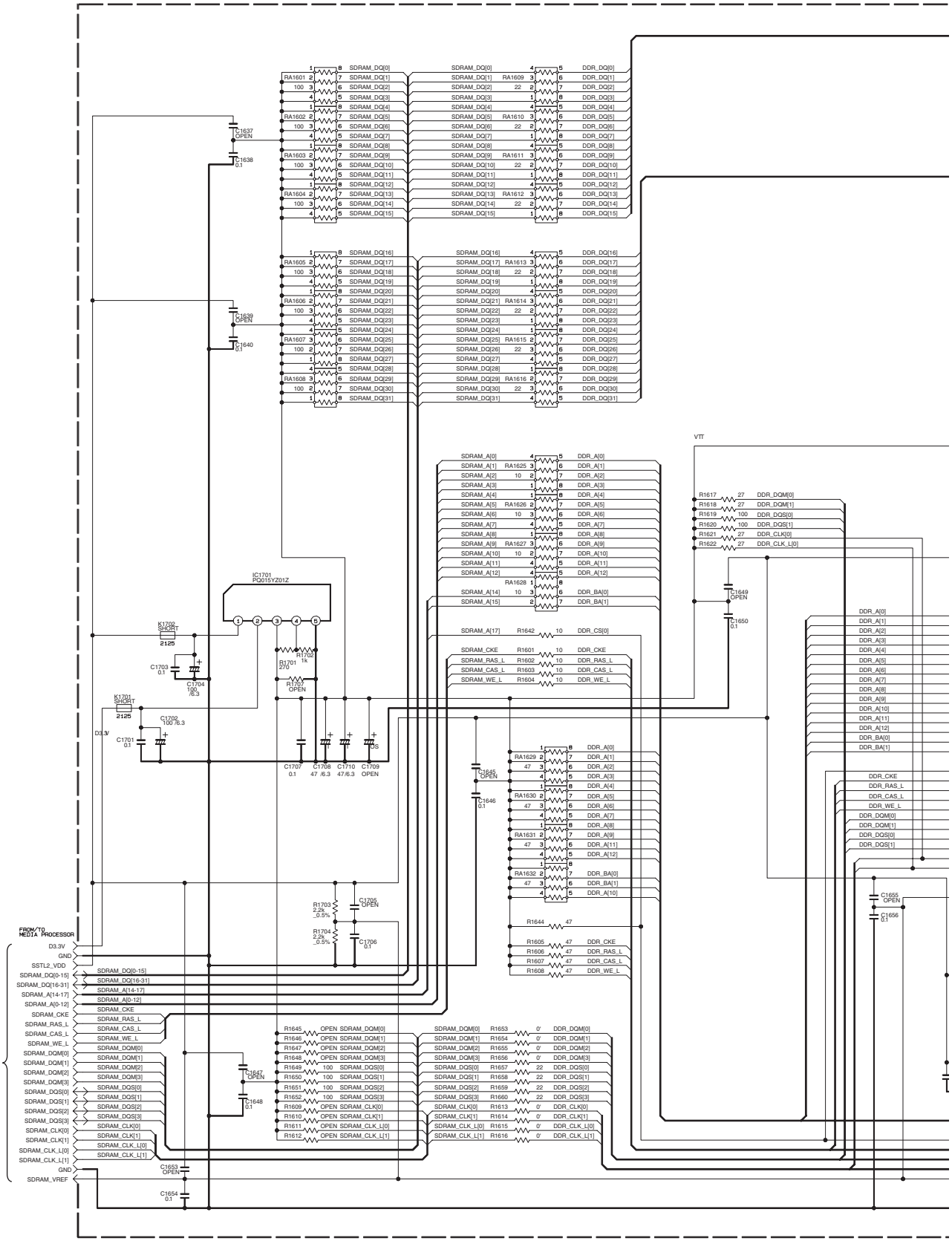
DIFFERENCE TABLE

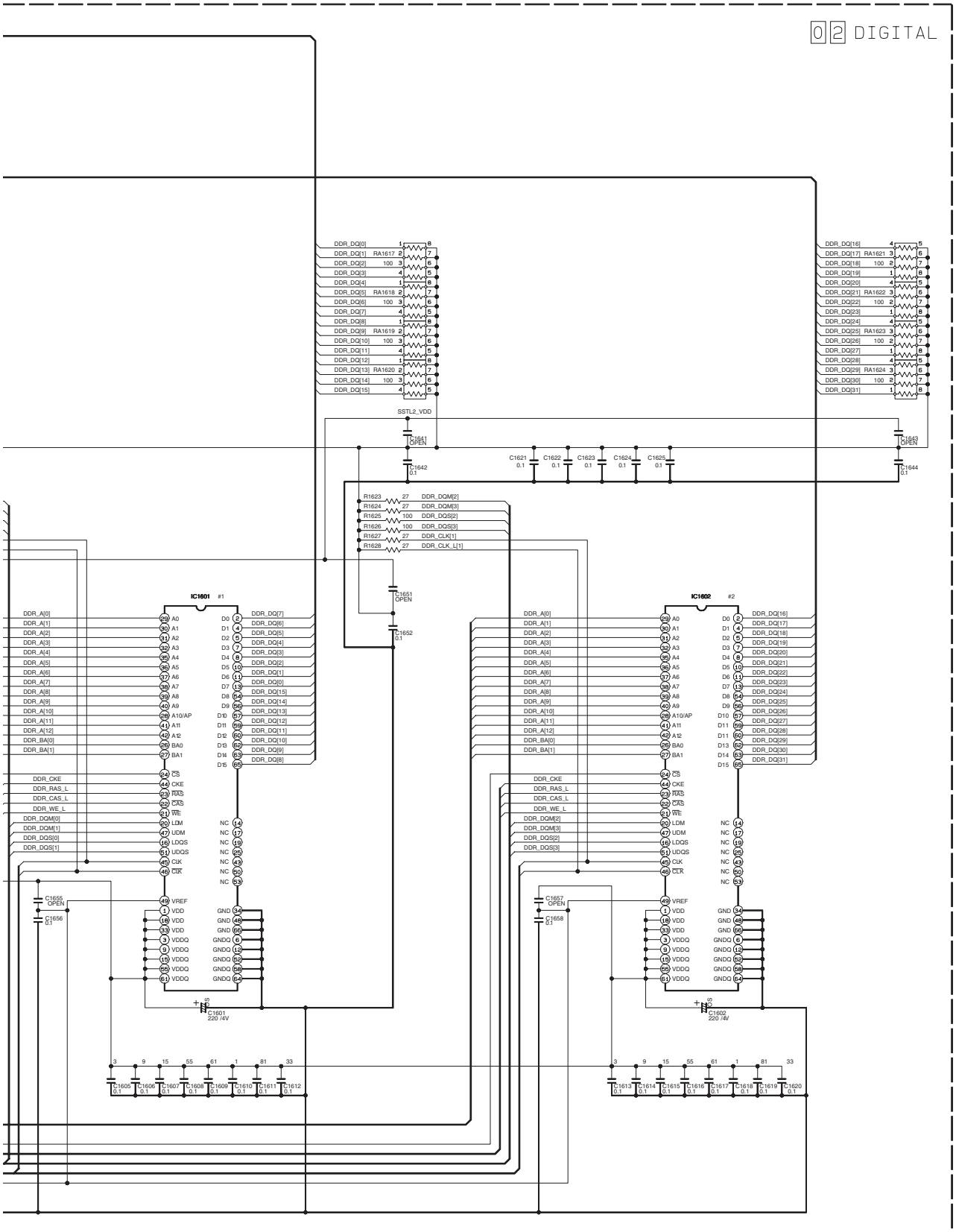
DV IN	# MARK	## MARK
○	○	×
×	×	○

p30122001a_rev1

SHEET 2

■ DDR SDRAM section




DDR_DQ[0] DDR_DQ[1] RA1617 DDR_DQ[2] 100 DDR_DQ[3] DDR_DQ[4] DDR_DQ[5] RA1618 DDR_DQ[6] 100 DDR_DQ[7] DDR_DQ[8] DDR_DQ[9] RA1619 DDR_DQ[10] 100 DDR_DQ[11] DDR_DQ[12] DDR_DQ[13] RA1620 DDR_DQ[14] 100 DDR_DQ[15]
DDR_DQ[16] DDR_DQ[17] RA1621 DDR_DQ[18] 100 DDR_DQ[19] DDR_DQ[20] DDR_DQ[21] RA1622 DDR_DQ[22] 100 DDR_DQ[23] DDR_DQ[24] DDR_DQ[25] RA1623 DDR_DQ[26] 100 DDR_DQ[27] DDR_DQ[28] DDR_DQ[29] RA1624 DDR_DQ[30] 100 DDR_DQ[31]
SSTL2_VDD
C1641 OPEN
C1642 0.1
C1621 0.1
C1622 0.1
C1623 0.1
C1624 0.1
C1625 0.1
C1643 OPEN
C1644 0.1
R1623 27 DDR_DQM[2]
R1624 27 DDR_DQM[3]
R1625 100 DDR_DQS[2]
R1626 100 DDR_DQS[3]
R1627 27 DDR_CLK[1]
R1628 27 DDR_CLK_L[1]
C1651 OPEN
C1652 0.1
IC1601 #1
IC1602 #2
DDR_A[0] DDR_A[1] DDR_A[2] DDR_A[3] DDR_A[4] DDR_A[5] DDR_A[6] DDR_A[7] DDR_A[8] DDR_A[9] DDR_A[10] DDR_A[11] DDR_A[12] DDR_BA[0] DDR_BA[1]
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10/AP A11 A12 BA0 BA1
DDR_CKE DDR_RAS_L DDR_CAS_L DDR_WE_L DDR_DQM[0] DDR_DQM[1] DDR_DQS[0] DDR_DQS[1]
CS CKE RAS CAS WE LDM UDM LDQS UDQS CLK CLK
DDR_DQ[7] DDR_DQ[6] DDR_DQ[5] DDR_DQ[4] DDR_DQ[3] DDR_DQ[2] DDR_DQ[1] DDR_DQ[0] DDR_DQ[15] DDR_DQ[14] DDR_DQ[13] DDR_DQ[12] DDR_DQ[11] DDR_DQ[10] DDR_DQ[9] DDR_DQ[8]
D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15
NC NC NC NC NC NC NC NC NC NC
VREF VDD VDD VDD VDDQ VDDQ VDDQ VDDQ VDDQ
GND GND GND GNDQ GNDQ GNDQ GNDQ GNDQ GNDQ
C1655 OPEN
C1656 0.1
C1601 220 /4V
C1657 OPEN
C1658 0.1
C1602 220 /4V
C1605 C1606 C1607 C1608 C1609 C1610 C1611 C1612
C1613 C1614 C1615 C1616 C1617 C1618 C1619 C1620
0.1

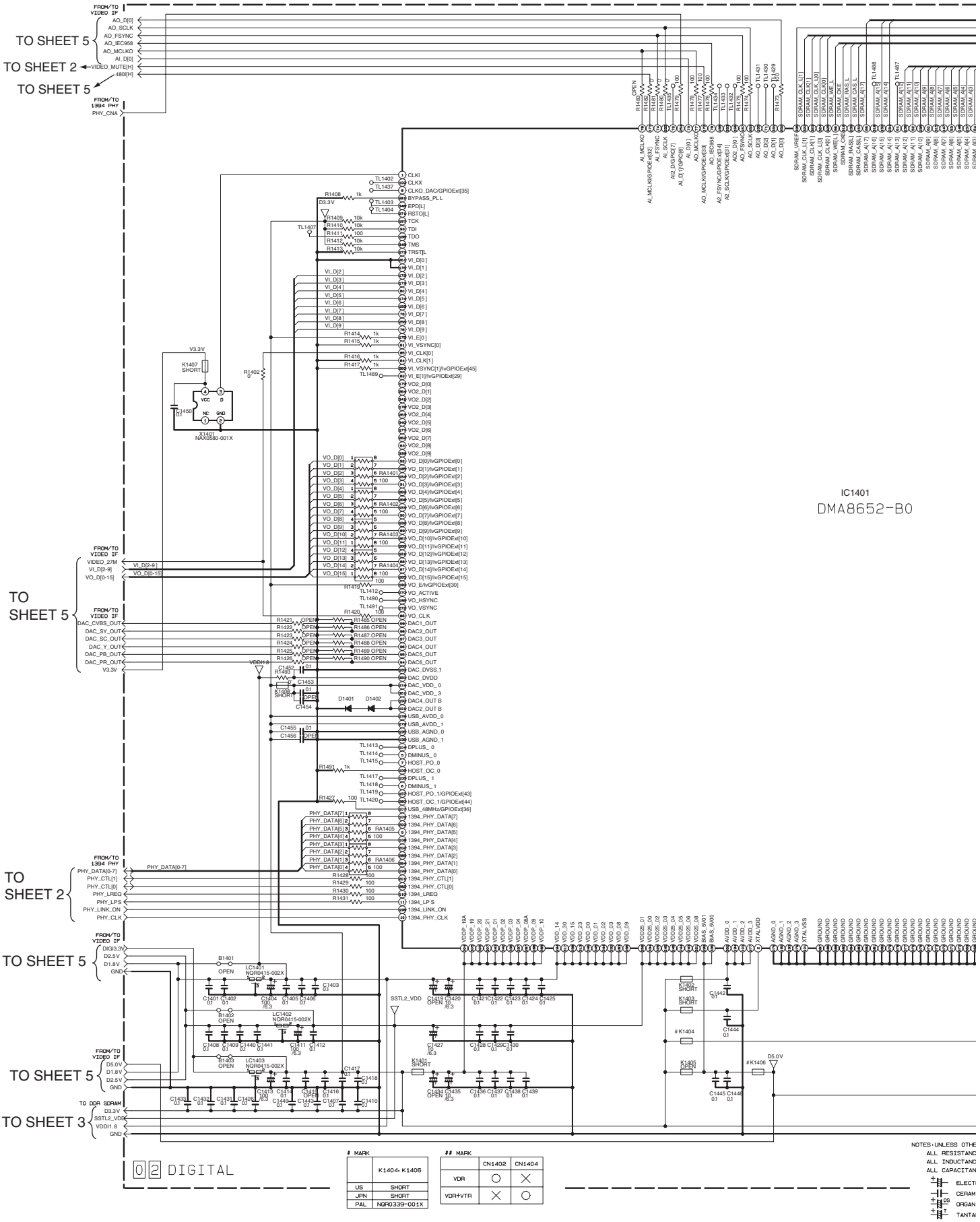
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

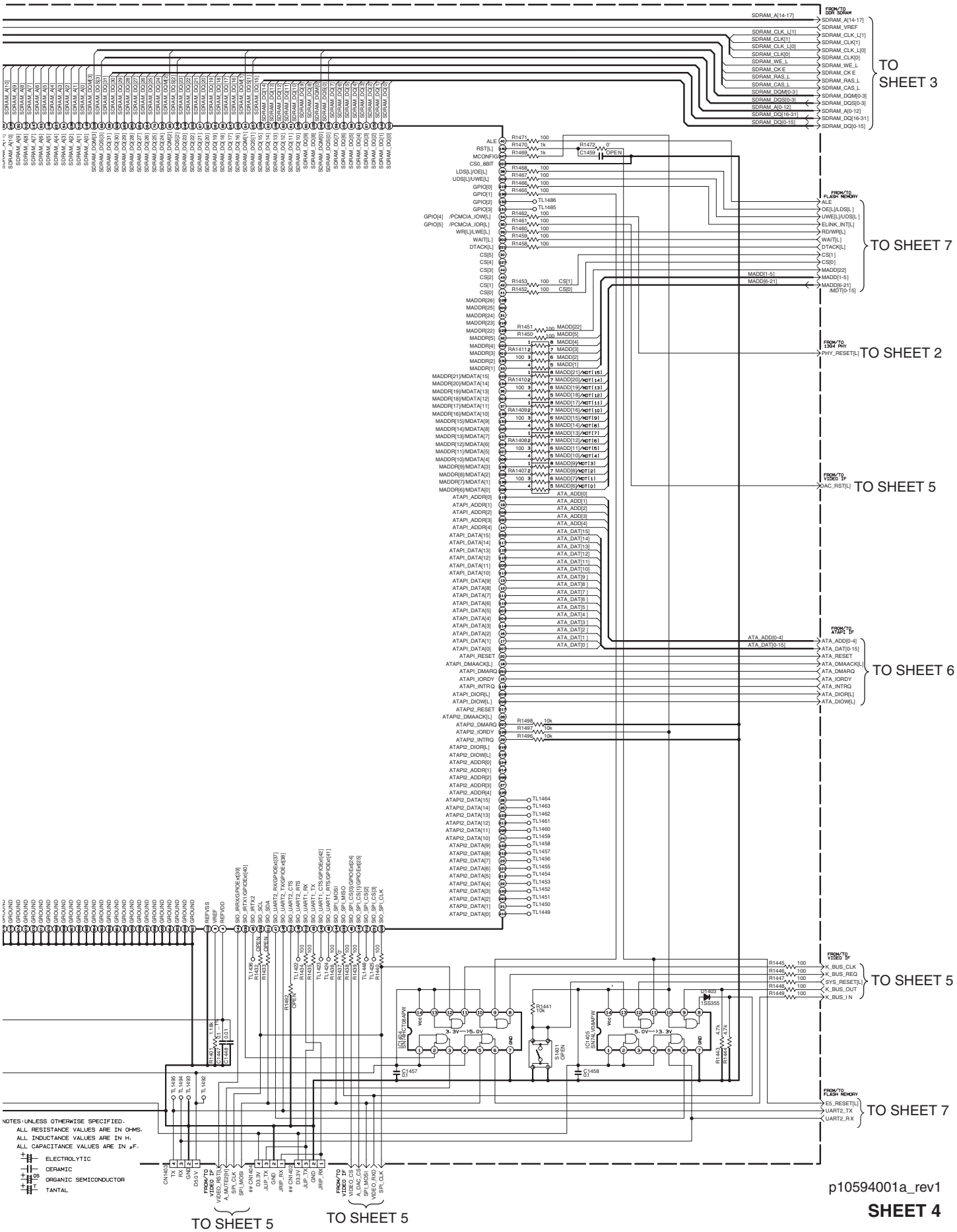
ELECTROLYTIC
CERAMIC
ORGANIC SEMICONDUCTOR
TANTAL

p10595001a_rev0

SHEET 3

■ Media processor section

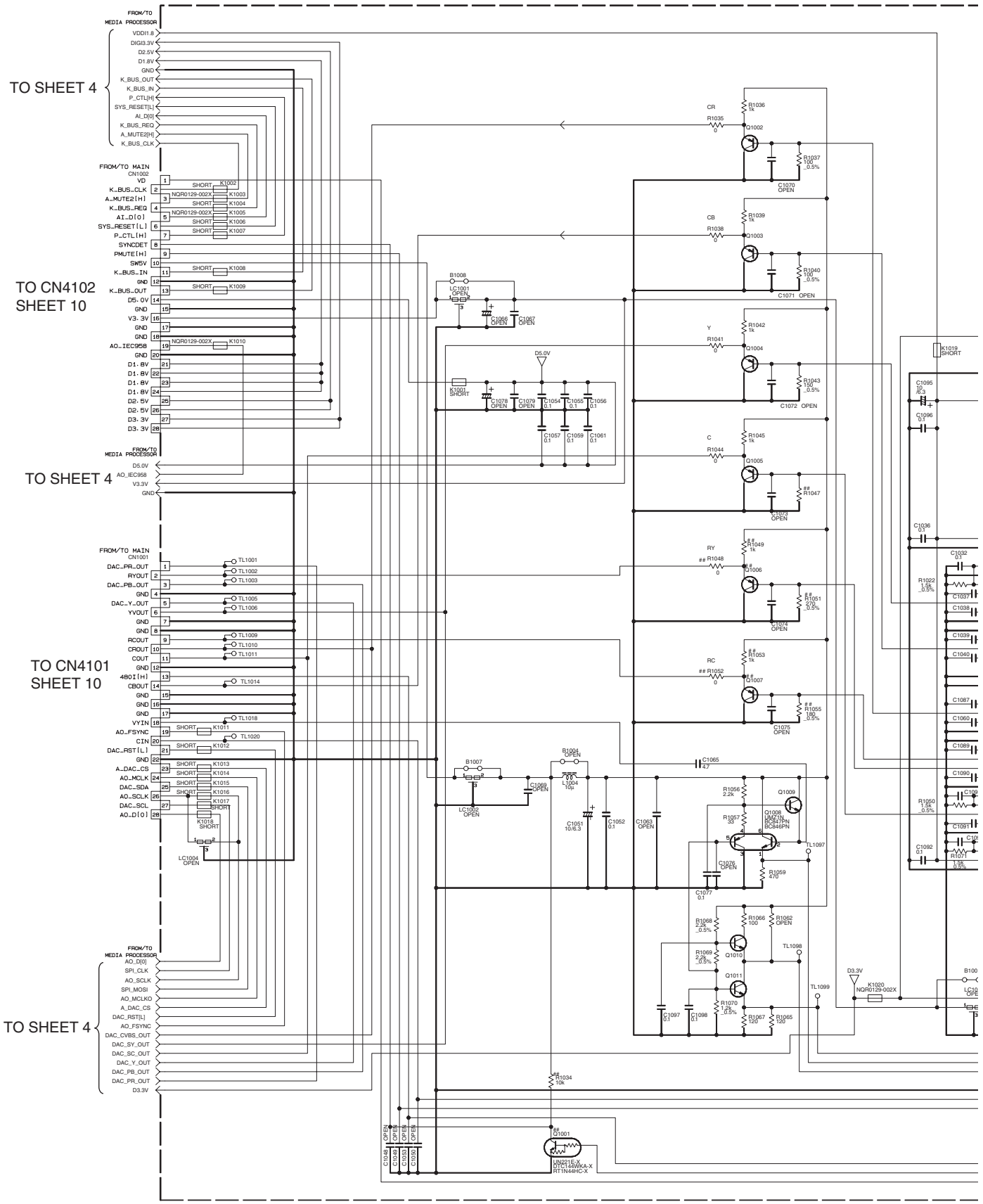




p10594001a_rev1

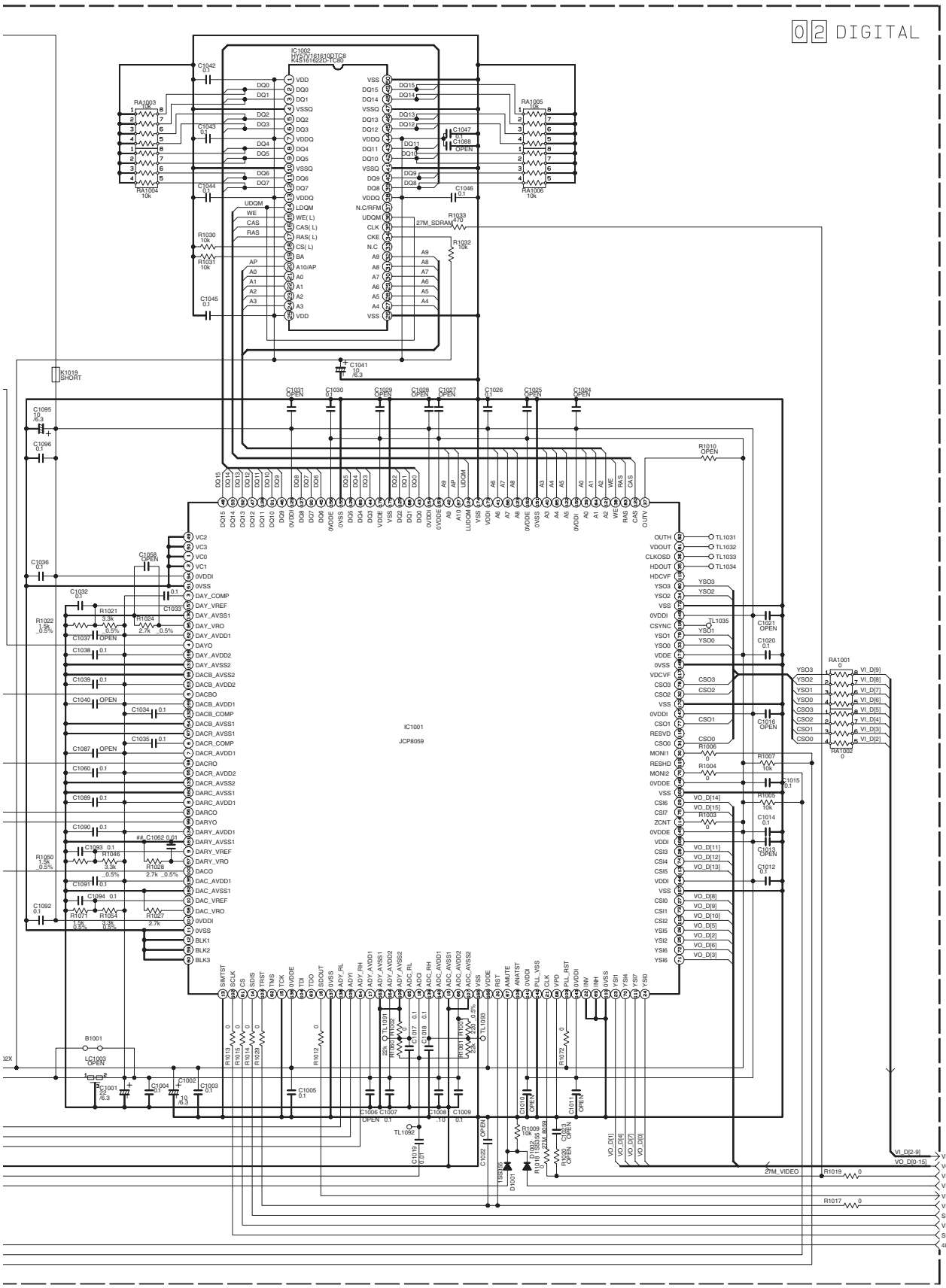
SHEET 4

■ Video signal controller section



MARK

	Q1001, R1034	R1047	R1048, R1049, R1051, R1052, R1053, R1055, C1062, Q1006, Q1007
US	O	220±0.5%	X
JPN	O	220±0.5%	X
PAL	X	200±0.5%	O



NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
ORGANIC SEMICONDUCTOR
TANTAL

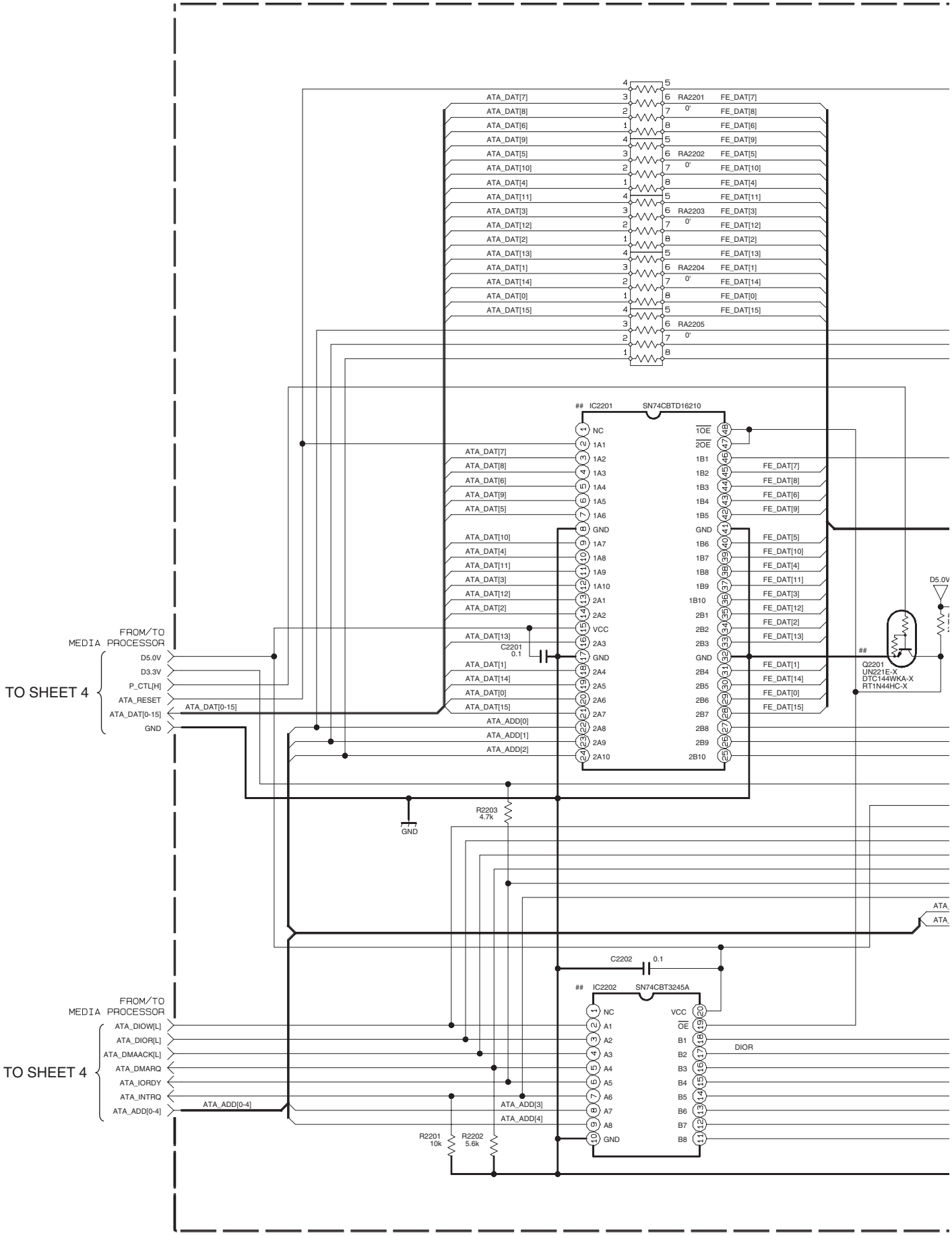
ALL NPN TYPE TRANSISTORS ARE 2SC2412K/QRS/-X or 2SC3928A/QRS/-X or 2SD601A/QRS/-X

ALL PNP TYPE TRANSISTORS ARE 2SA1037AK/QR/-X or 2SA1530A/QR/-X or 2SB709A/QR/-X

10593001a_rev0

SHEET 5

■ ATAPI Interface section



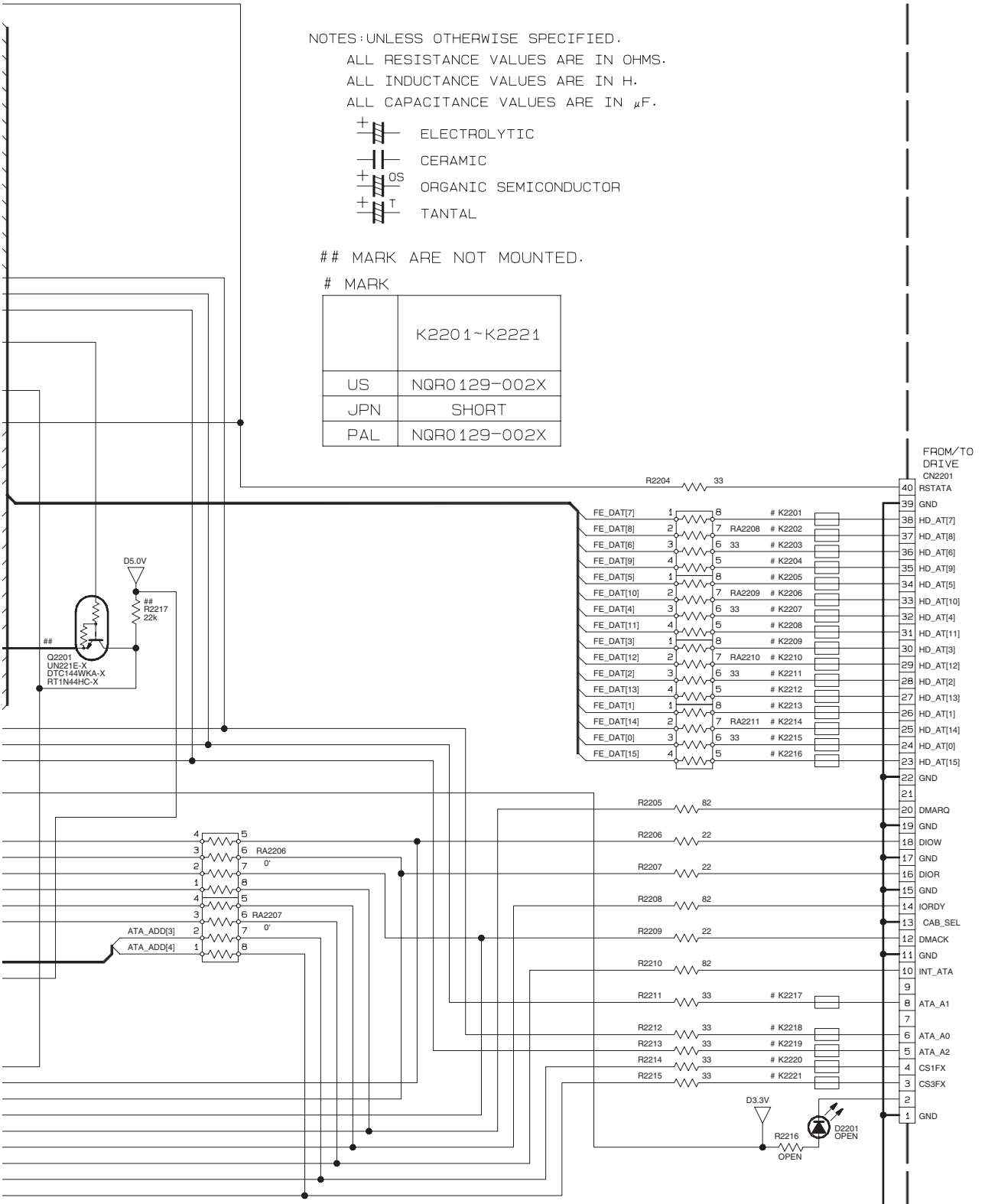
NOTES : UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
OS ORGANIC SEMICONDUCTOR
T TANTAL

MARK ARE NOT MOUNTED.

MARK

	K2201~K2221
US	NQR0129-002X
JPN	SHORT
PAL	NQR0129-002X

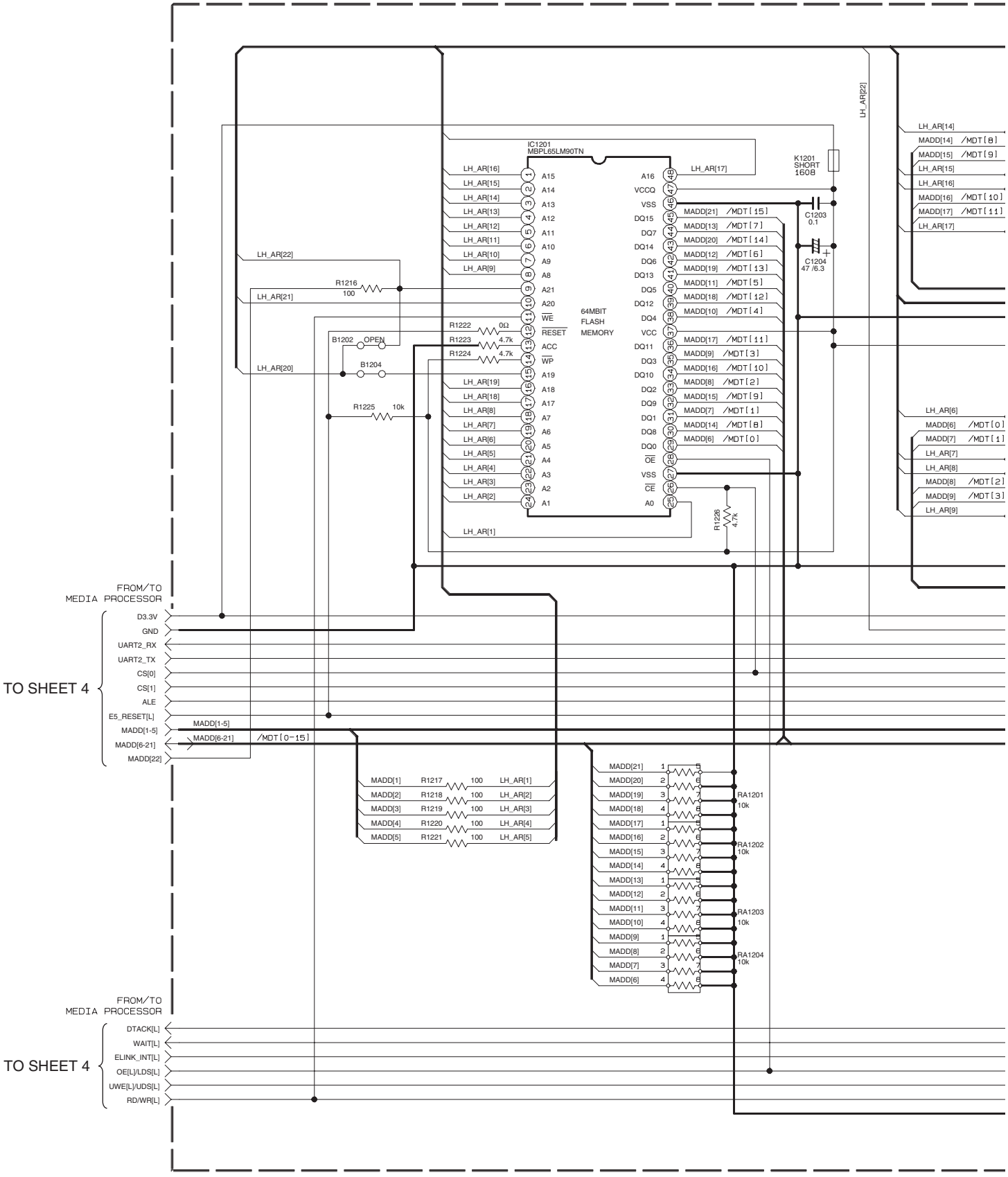


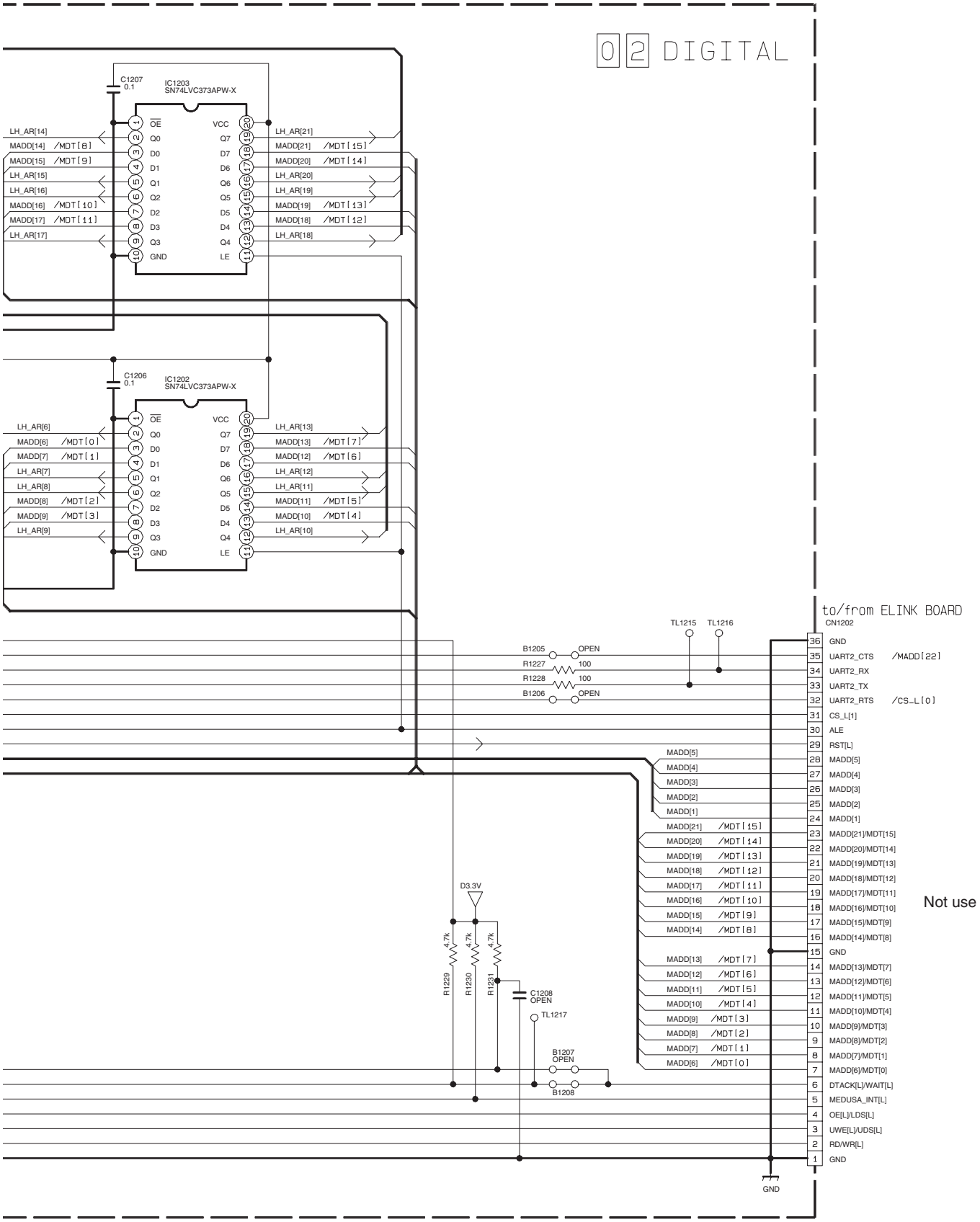
TO DVD-RAM DRIVE

p20403001a_rev1

SHEET 6

■ FLASH-ROM section





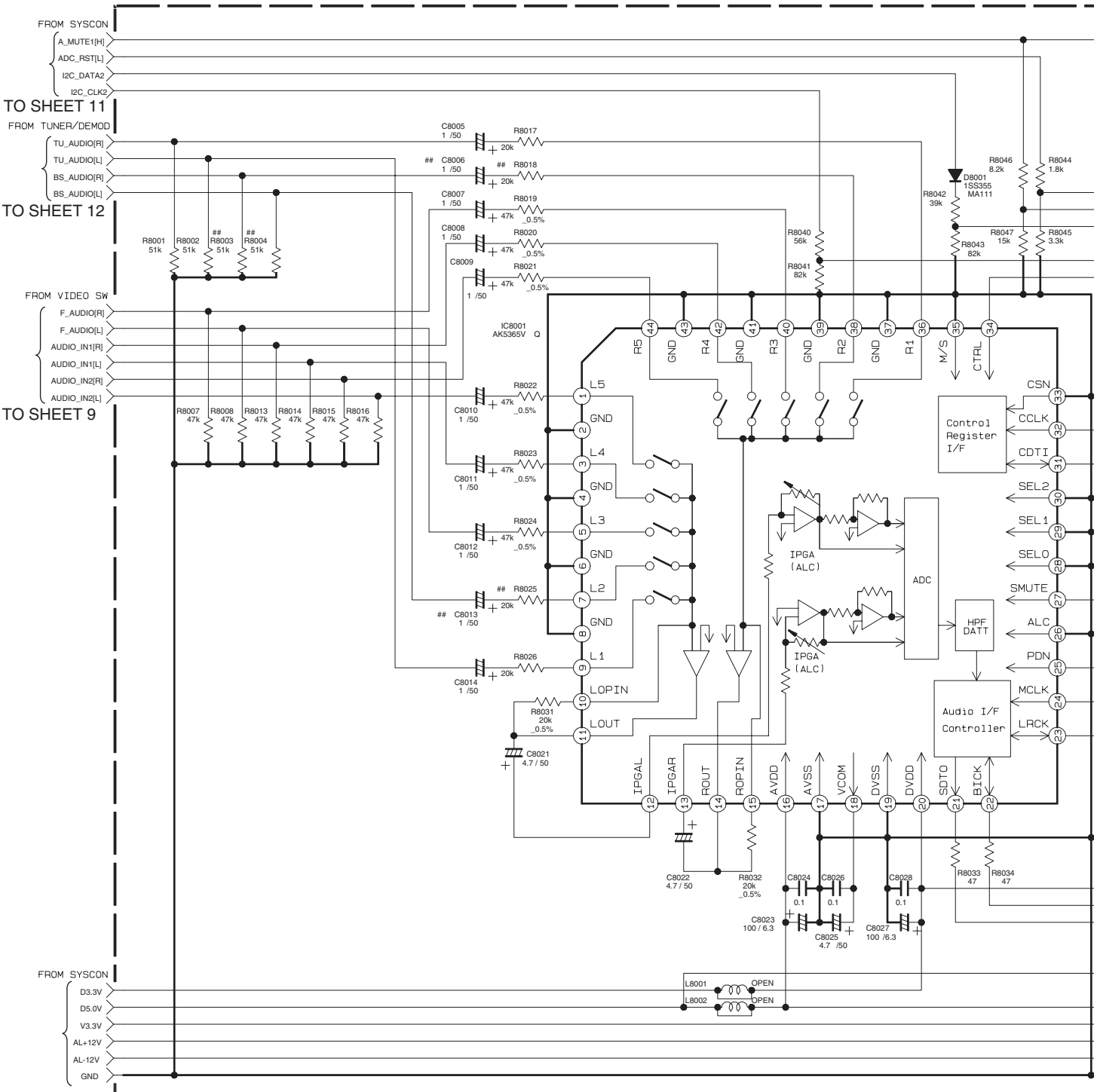
NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
ORGANIC SEMICONDUCTOR
TANTAL

p20402001a_rev0

SHEET 7

■ Audio signal control section

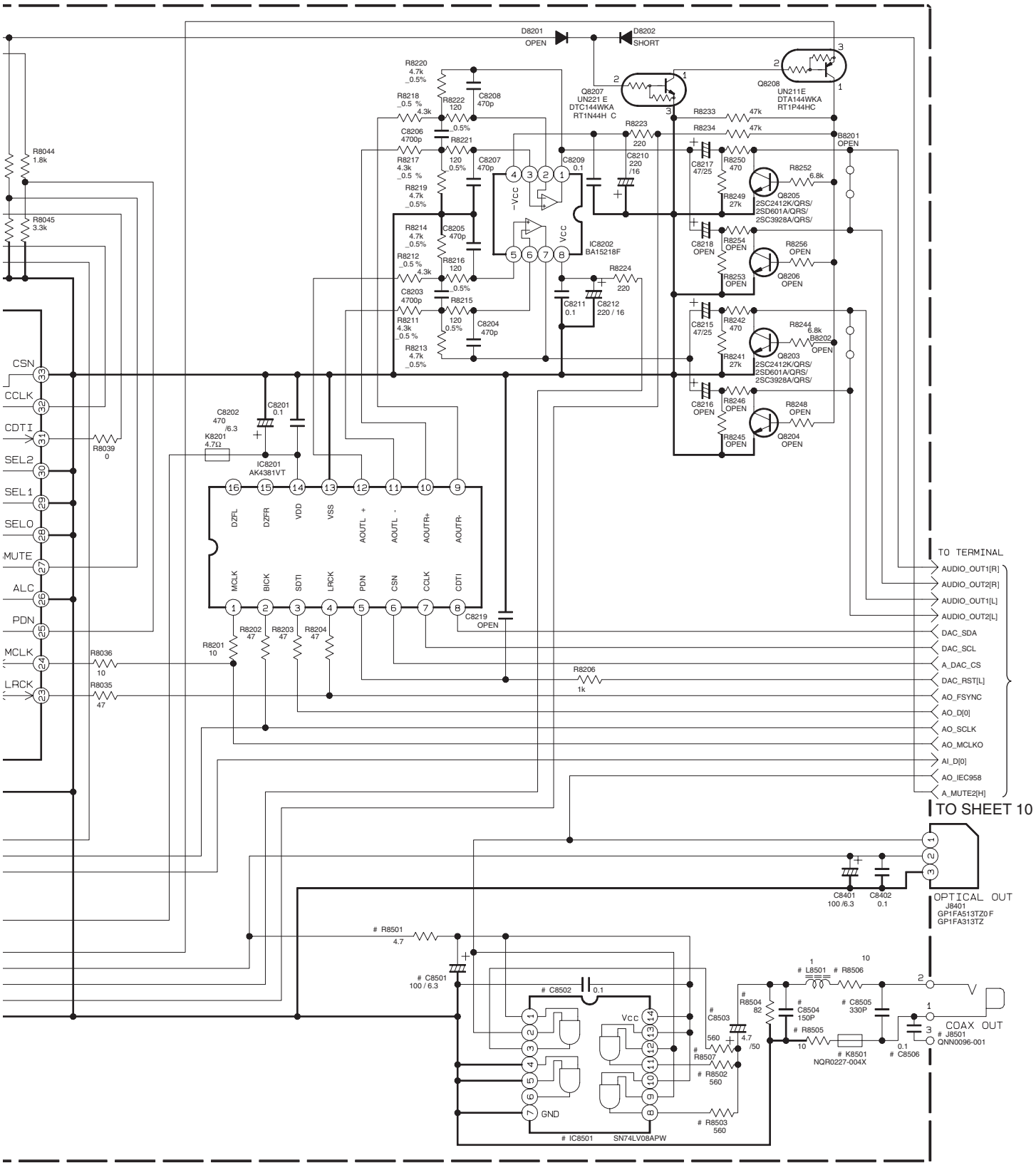


0 3 MAIN(AUDIO)

NOTES:THE PARTS OF # MARK ARE USED FOR THE MODEL WITH COAX OUT.
NOTES:THE PRATS OF ## MARK ARE USED FOR THE MODEL WITH BS TUNER.
NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

	LAST NO				
R	8047	8256	—	8507	8005-
C	8028	8219	8402	8506	8001-
D	8001	8202	—	—	
Q	—	8208	—	—	8201-
L	8002	—	—	8501	
IC	8001	8202	—	8501	
K	—	8201	—	8501	
B	—	8202	—	—	
J	—	—	8401	8501	

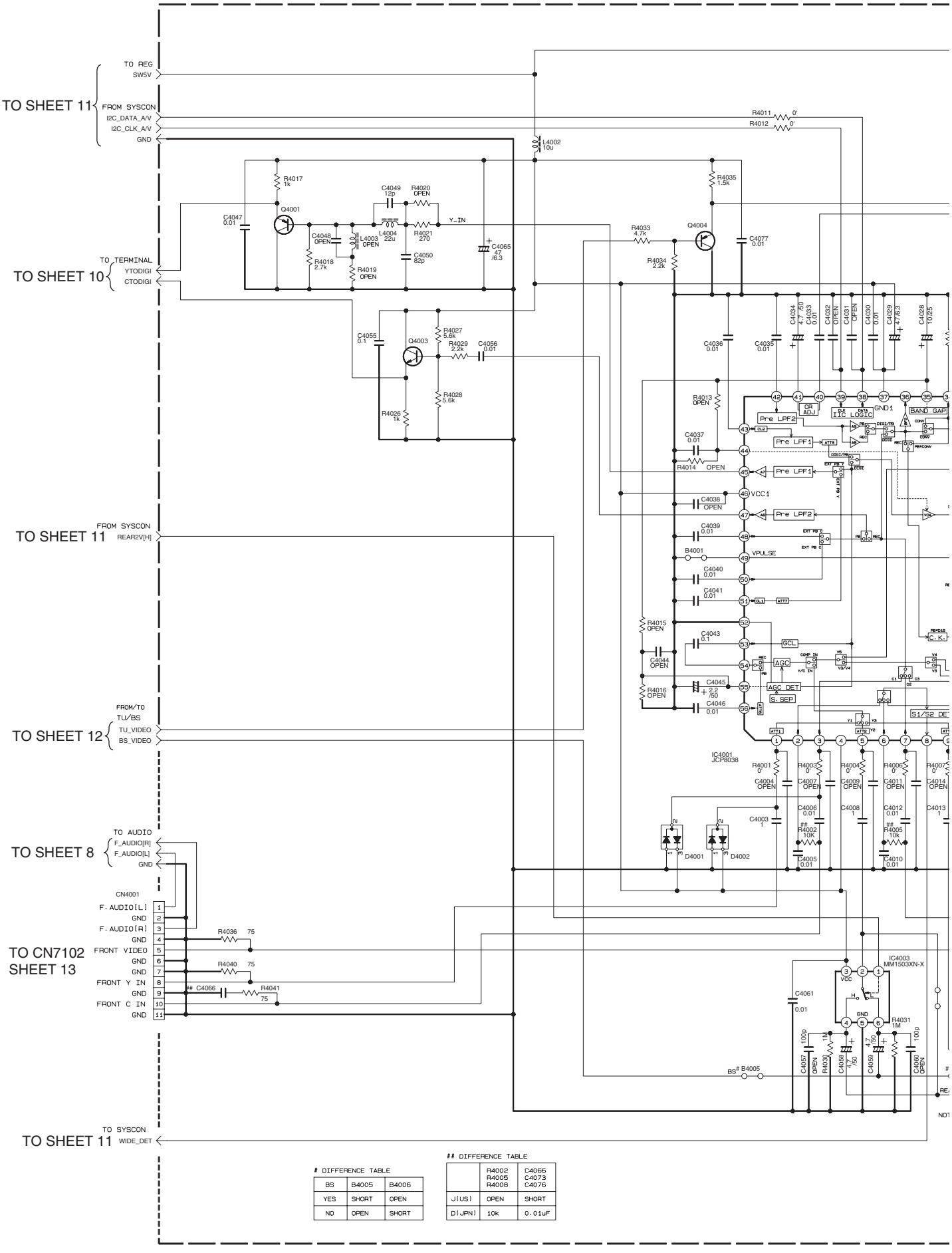


NO		VACANT NO	
—	8507	8005, 8006, 8009–8012, 8027–8030, 8037, 8038	8205, 8207–8210, 8225–8232, 8235–8240, 8243, 8247, 8251, 8255
102	8506	8001–8004, 8015–8020	8213, 8214
—	—		
—	—	8201, 8202	
—	8501		
—	8501		
—	8501		
—	—		
101	8501		

p20395001a_rev0

SHEET 8

■ Audio/Video signal input control section

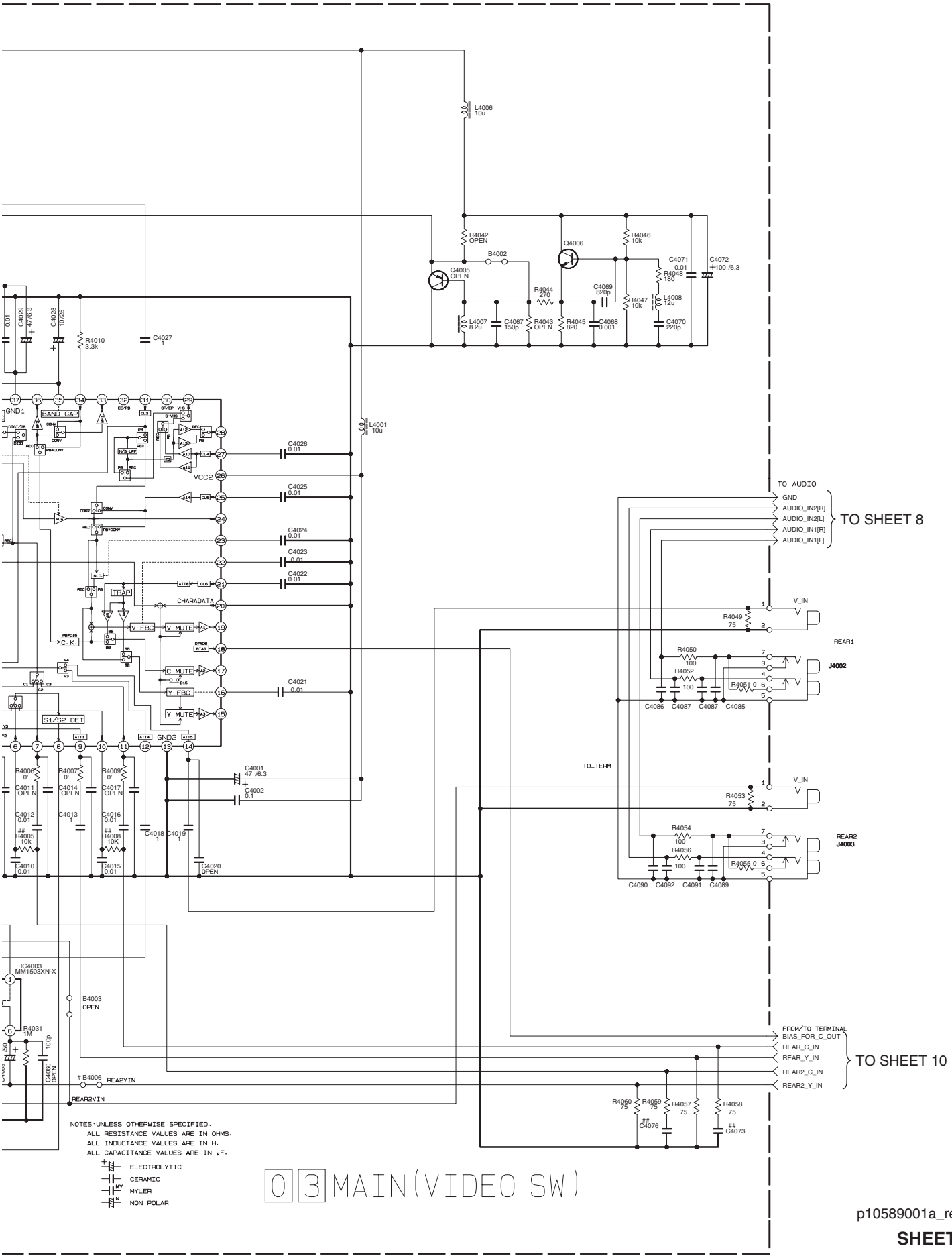


DIFFERENCE TABLE

BS	B4005	B4006
YES	SHORT	OPEN
NO	OPEN	SHORT

DIFFERENCE TABLE

	R4002 R4005 R4008	C4066 C4073 C4076
J(US)	OPEN	SHORT
D(JPN)	10k	0.01uF

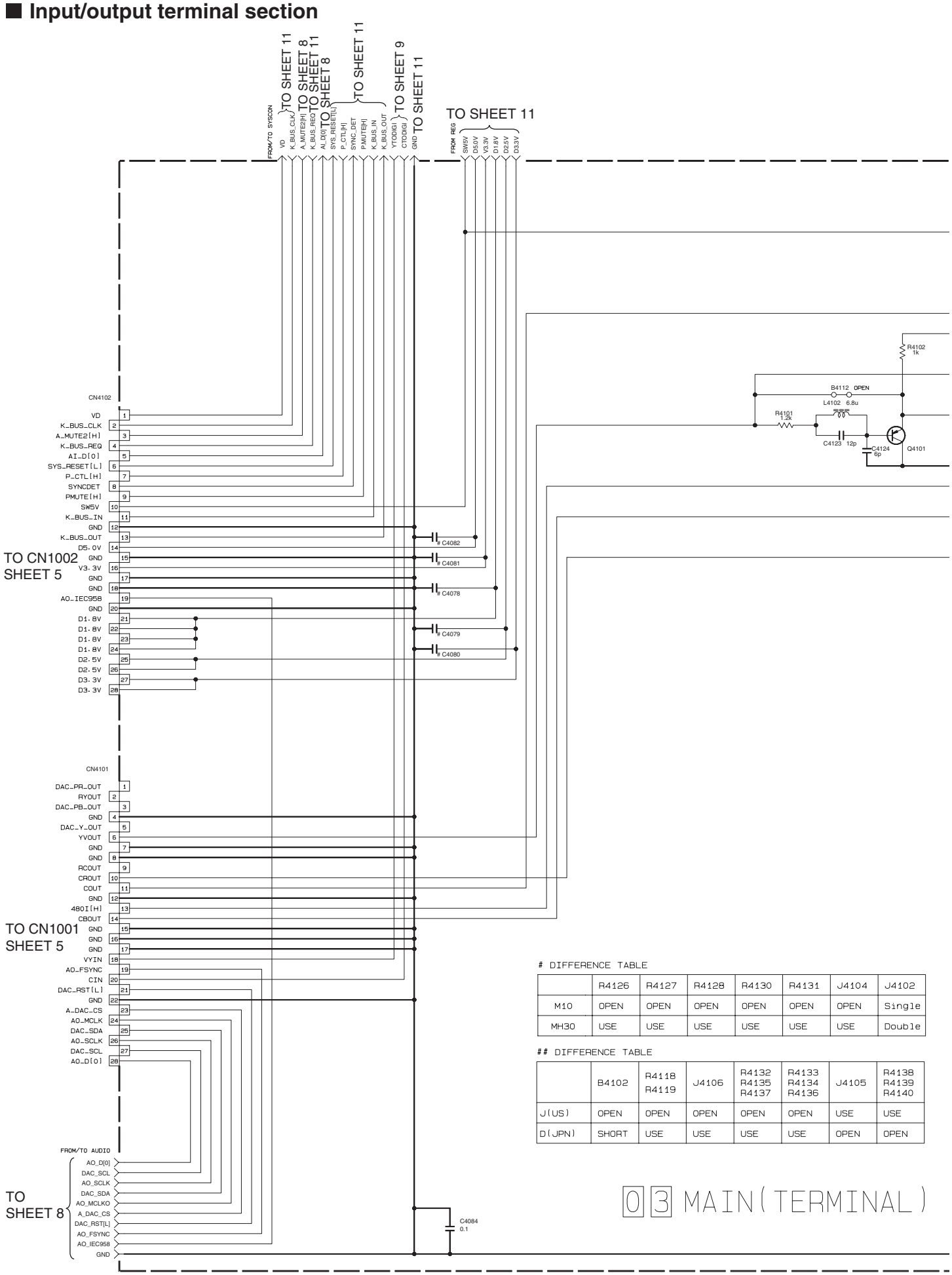


03 MAIN(VIDEO SW)

p10589001a_rev0

SHEET 9

■ Input/output terminal section



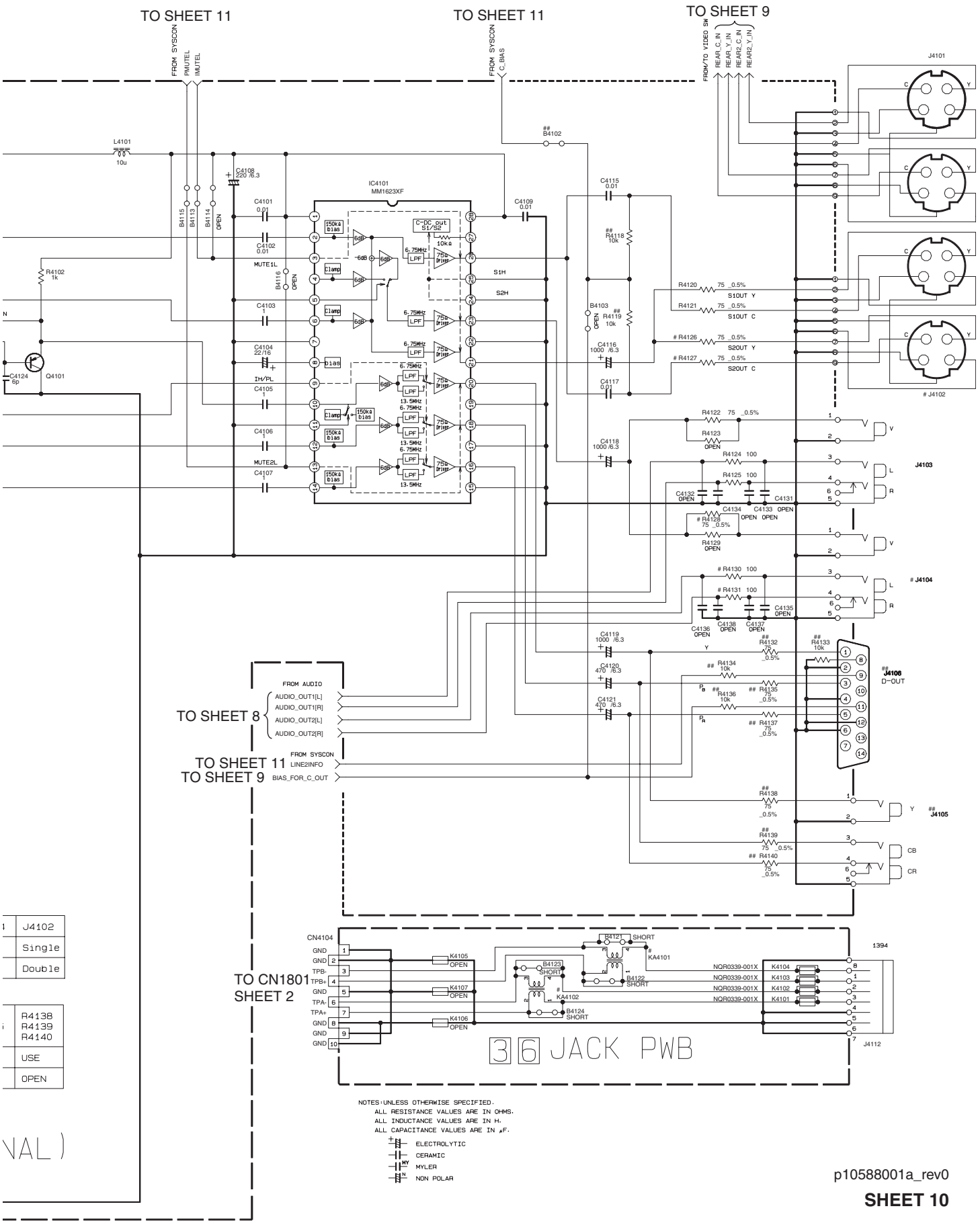
DIFFERENCE TABLE

	R4126	R4127	R4128	R4130	R4131	J4104	J4102
M10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	Single
MH30	USE	USE	USE	USE	USE	USE	Double

DIFFERENCE TABLE

	B4102	R4118 R4119	J4106	R4132 R4135 R4137	R4133 R4134 R4136	J4105	R4138 R4139 R4140
J(US)	OPEN	OPEN	OPEN	OPEN	OPEN	USE	USE
D(JPN)	SHORT	USE	USE	USE	USE	OPEN	OPEN

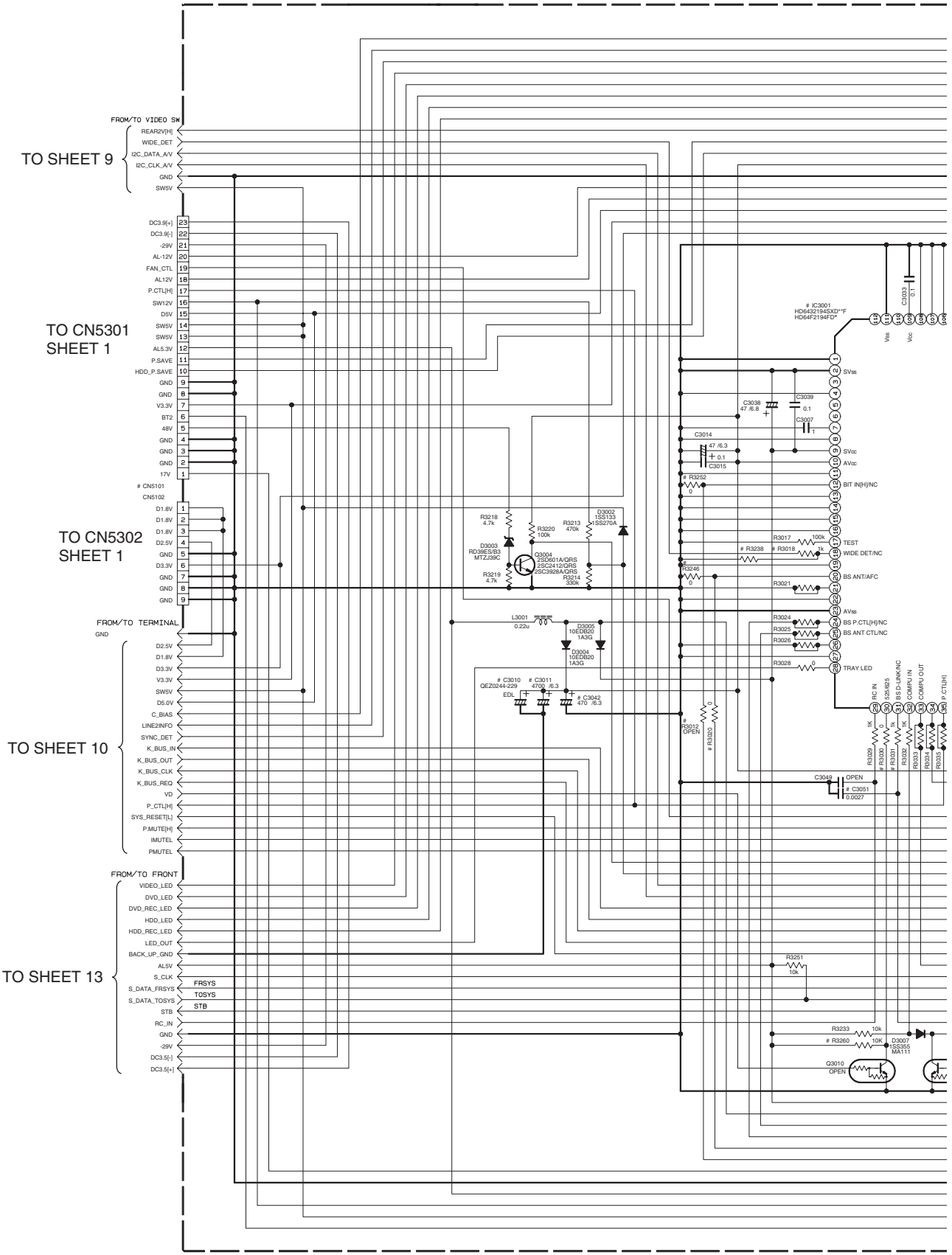
03 MAIN(TERMINAL)



p10588001a_rev0

SHEET 10

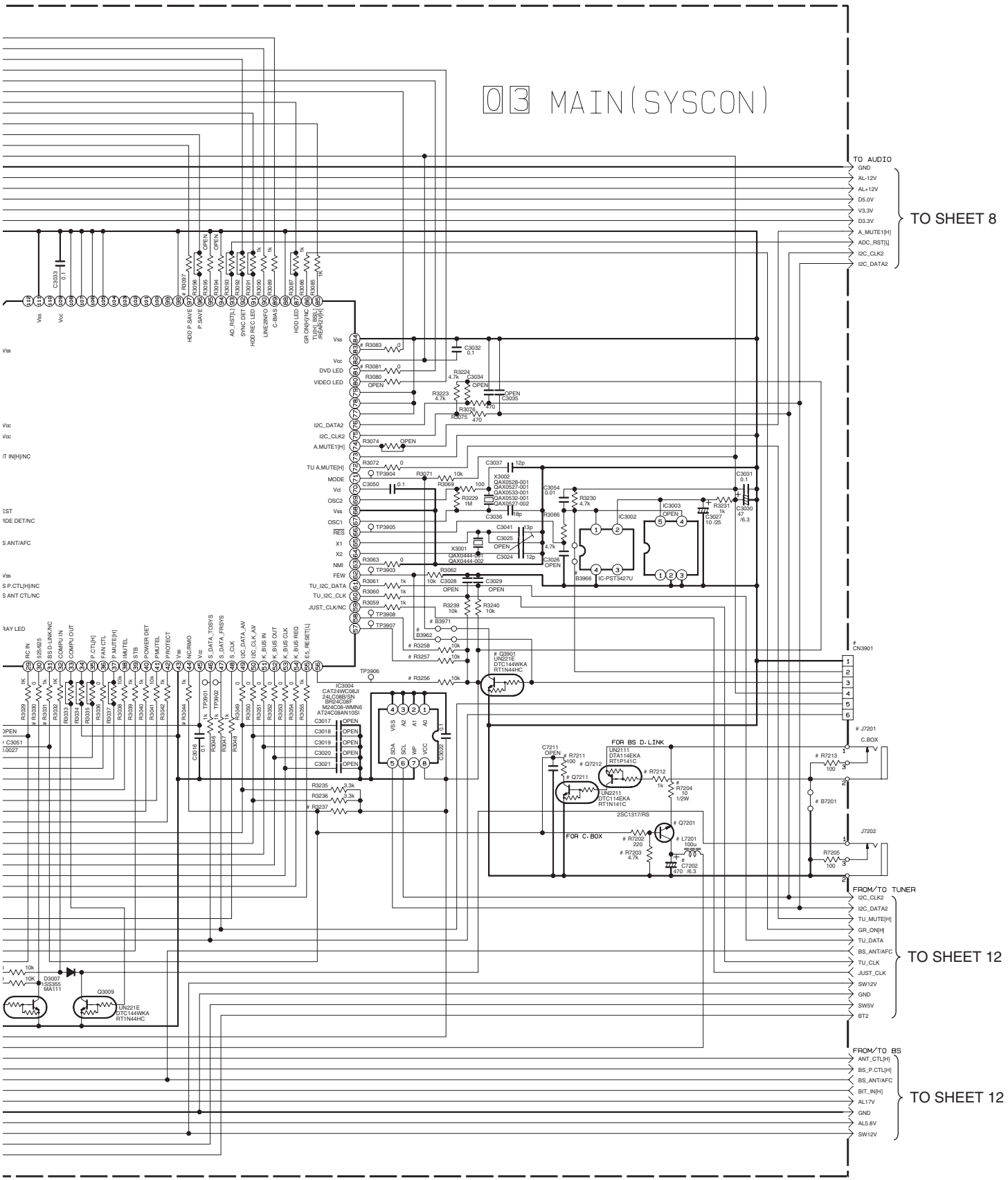
■ System controller section



DIFFERENCE TABLE

SYMBOL / MODEL	CPU IC3001	BS R3012	BS R3252	BS R3230 R3238	BS or WIDE DET R3218 R3240	VD R3220 R3260	BS D LINK. R3031, C3051 R7211, R7213 R7211, R7610	C.BOX CTL. R3044, R3237 R7202, R7204 L7201, R7201	HDD R3081 R3083 R3097	GR R3086	BACK UP C3010 C3045	C3011	R3256, R3258 R3901, R3902 R3960, R3971 CN3901
M10SUS/SUC	43	×	○	○	×	○	×	○	×	×	○	×	USE FOR FLASH CPU
M10JP	76	×	○	×	○	×	○	×	×	×	○	×	USE FOR FLASH CPU
MH30SUS/SUC MH30SUS/SUC	79	×	○	○	×	×	×	○	○	×	○	×	USE FOR FLASH CPU
MH20JP	78	×	○	×	○	×	○	×	○	×	○	×	USE FOR FLASH CPU
MH30JP	78	×	○	×	○	×	○	×	○	○	○	×	USE FOR FLASH CPU

NOTE



	LAST NO		VACANT NO	
R	3260	7213	3001-3011-3013-3016-3019-3022-3023-3027-3043-3045-3056-3058-3064-3065-3067-3068-3070-3073-3077-3079-3082-3084-3088-3098-3212-3215-3217-3221-3222-3225-3228-3230-3234-3241-3245-3247-3250-3253-3255-3259	7201-7206-7210
C	3054	7211	3001-3006-3008-3009-3012-3013-3023-3040-3043-3045-3052-3053	7201-7203-7210
D	3007		3001-3006	
Q	3901	7212	3001-3003-3005-3008-3011-3900	7202-7210
L	3001	7201		
IC	3004			
X	3002			

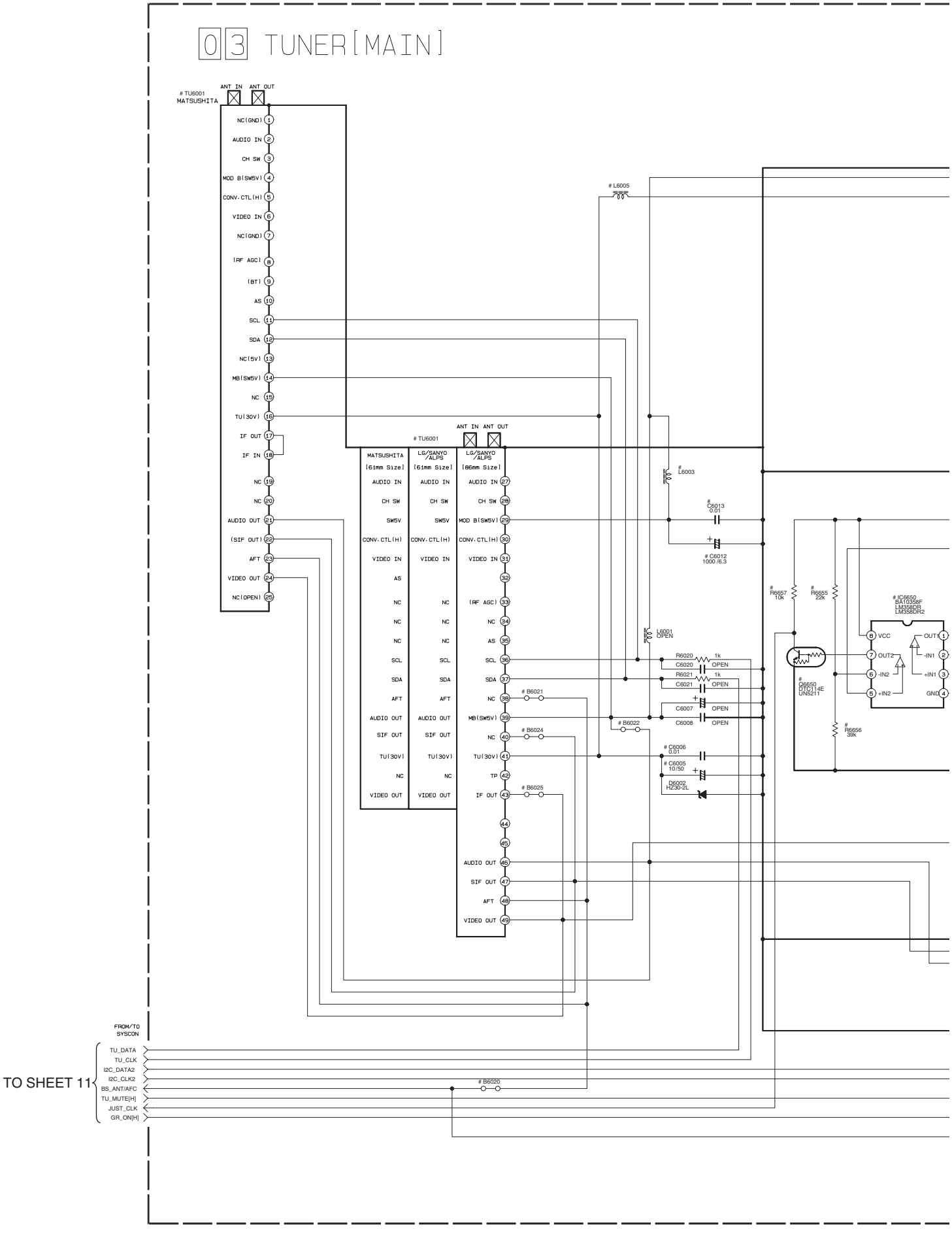
NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

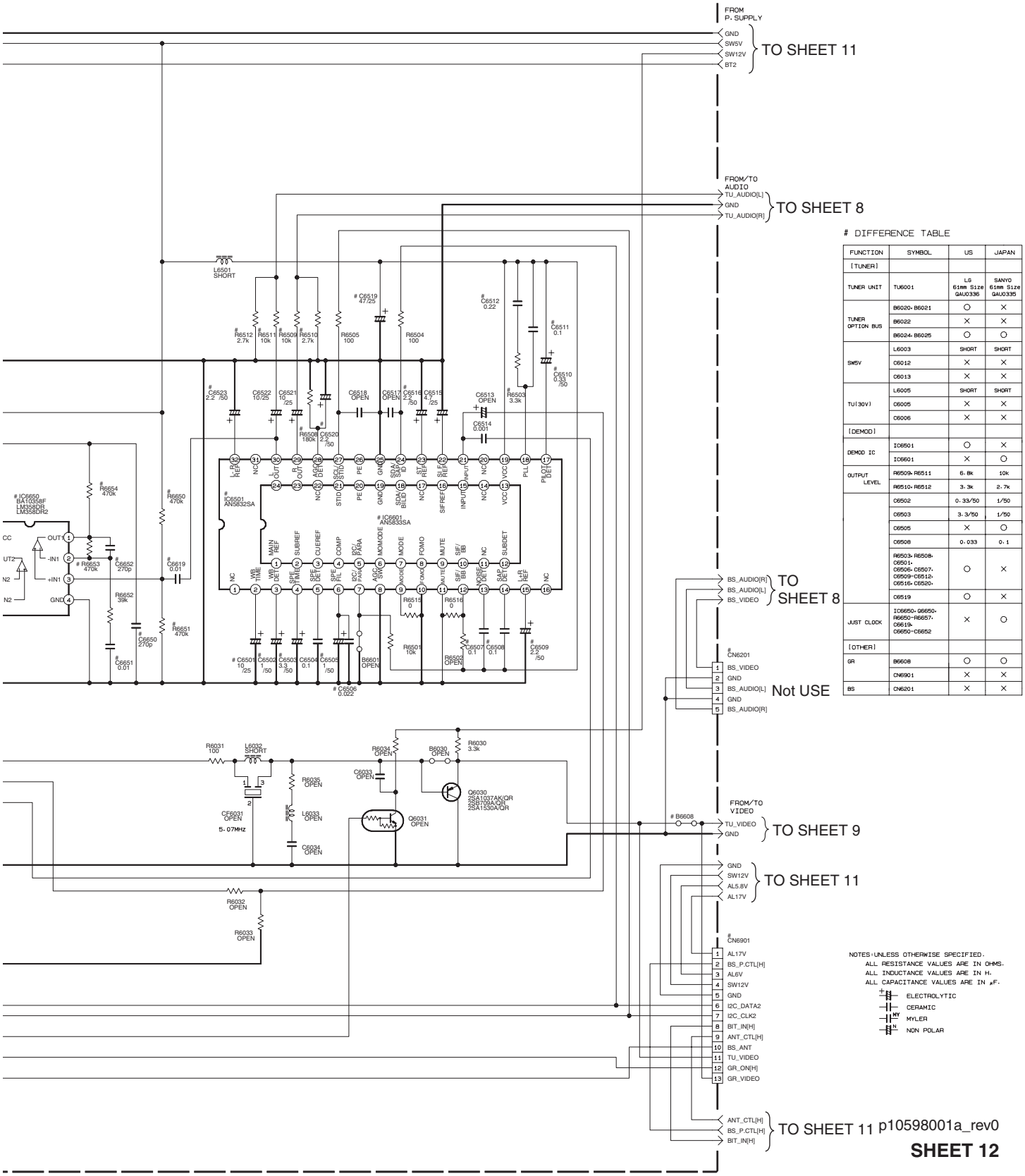
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

p10597001a_rev0

SHEET 11

■ Tuner section





DIFFERENCE TABLE

FUNCTION	SYMBOL	US	JAPAN
[TUNER]			
TUNER UNIT	TU6001	LG 61mm Size GAU0336	SANYO 61mm Size GAU0335
TUNER OPTION BUS	B6020, B6021	○	×
	B6022	×	×
	B6024, B6025	○	○
SW5V	L6003	SHORT	SHORT
	C6012	×	×
	C6013	×	×
TU(30V)	L6005	SHORT	SHORT
	C6005	×	×
	C6006	×	×
[DEMOD]			
DEMOD IC	IC6501	○	×
	IC6601	×	○
OUTPUT LEVEL	R6509, R6511	6.8k	10k
	R6510, R6512	3.3k	2.7k
	C6502	0.33/50	1/50
	C6503	3.3/50	1/50
	C6505	×	○
	C6508	0.033	0.1
	R6503, R6508, C6501, C6506, C6507, C6509, C6512, C6516, C6520,	○	×
	C6519	○	×
JUST CLOCK	IC6650, Q6650, R6650, R6657, C6619, C6650, C6652	×	○
[OTHER]			
GR	B6608	○	○
	CN6901	×	×
BS	CN6201	×	×

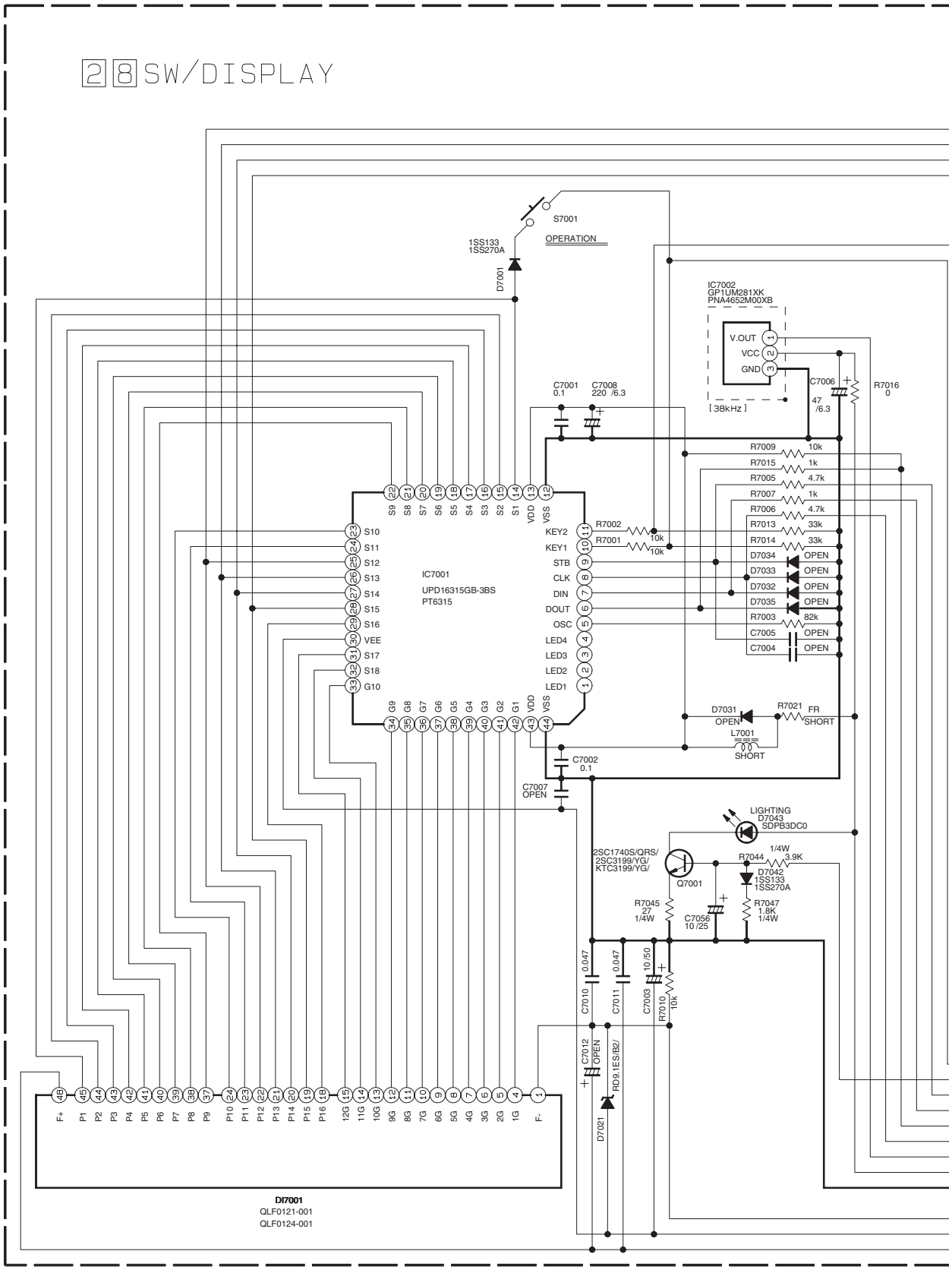
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MY MYLER
N NON POLAR

p10598001a_rev0

SHEET 12

■ FL Display and operation switch section

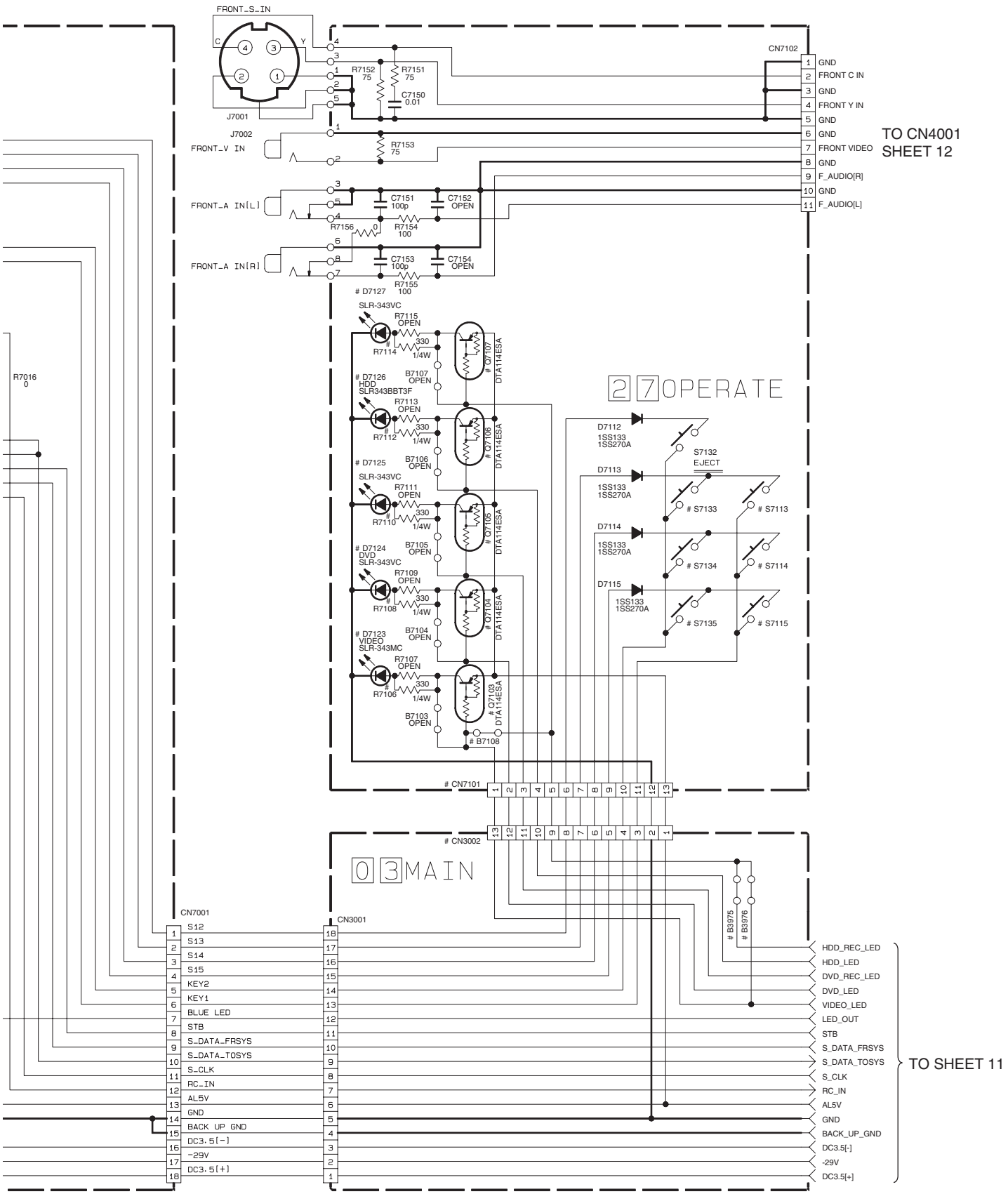


\# DIFFERENCE TABLE

	S7113	S7114	S7115	S7133	S7134	S7135	D7123, R7106 Q7103, B7108 B3976	D7124-D7127, R7108 R7110, R7112, R7114 Q7104-Q7107, B3975	CN7101	CN3002
M10	REC	REC MODE	PAUSE	×	STOP	PLAY	×	×	9PIN(5-13)	9PIN(1-9)
MH20/MH30	DVD	HDD	REC	STOP	PLAY	PAUSE	×	○	13PIN	13PIN

NOTES:UNLESS OTHERWISE SPECI
ALL RESISTANCE VALUES AR
ALL INDUCTANCE VALUES AR
ALL CAPACITANCE VALUES A

ELECTROLYTIC
CERAMIC
MY MYLER
N NON POLAR



OTHERWISE SPECIFIED.
ISTANCE VALUES ARE IN OHMS.
ICTANCE VALUES ARE IN H.
ICITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

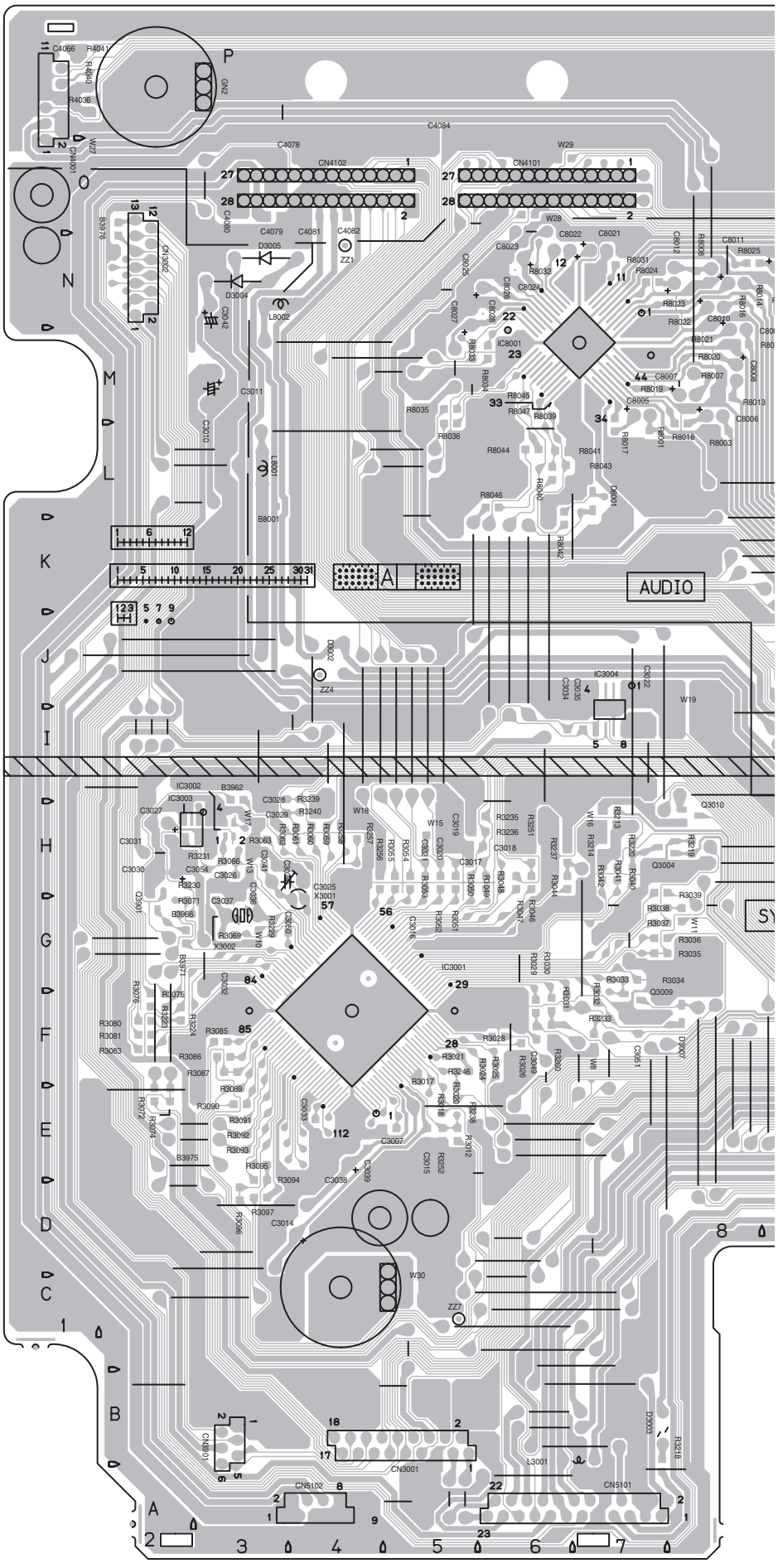
	LAST No.		VACANT No.	
R	7047	7156	7004, 7008, 7011, 7012, 7017~7020, 7022~7043, 7046	7101~7105, 7116~7150
C	7056	7154	7009, 7013~7055	7101~7149
D	7043	7127	7002~7020, 7022~7030, 7036~7041	7101~7111, 7116~7122
Q	7001	7107		7101, 7102
L	7001			
IC	7002			
DI	7001			
S	7001	7135		7101~7112, 7116~7131
CN	7001	7102		

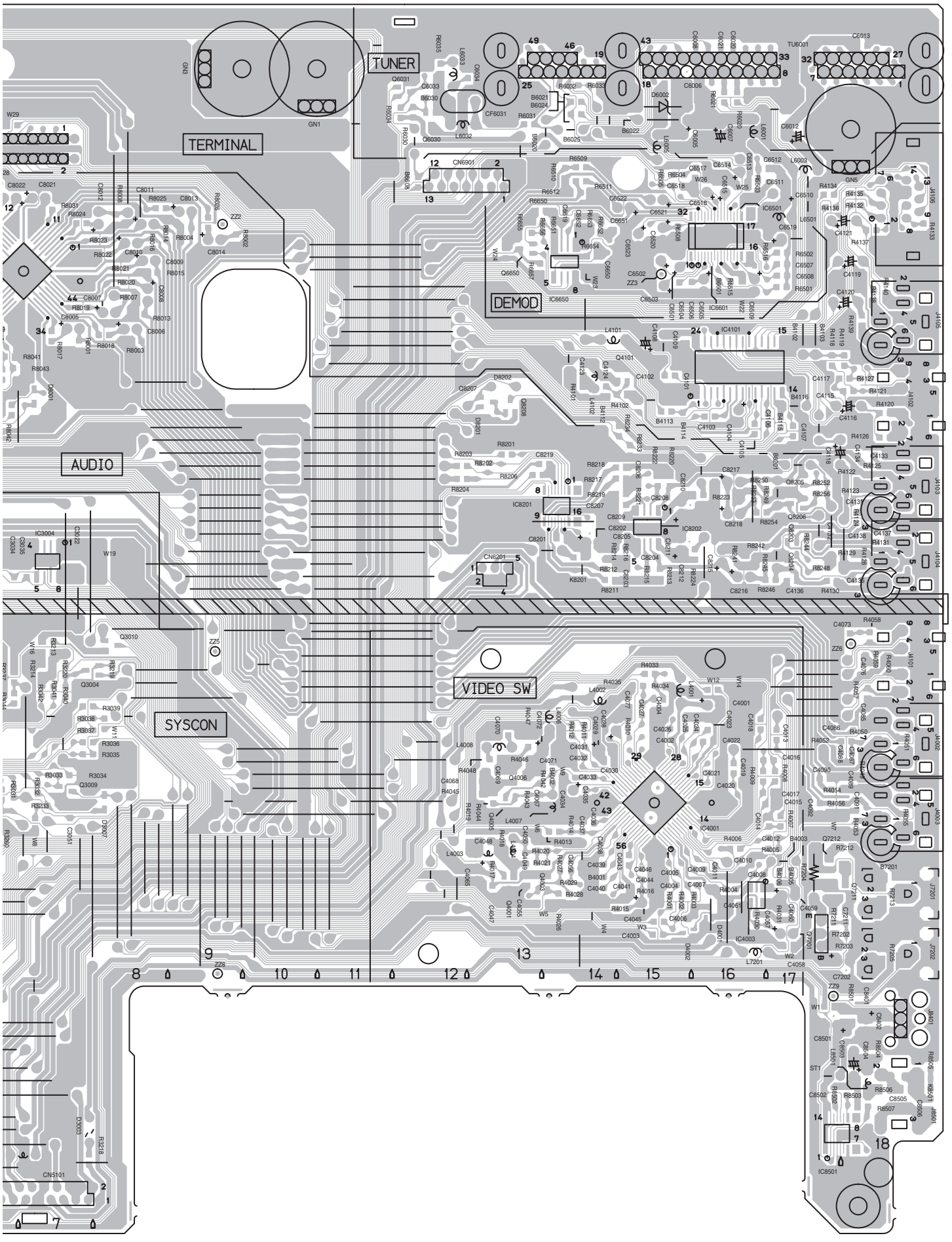
p20404001a_rev0

SHEET 13

Printed circuit boards

■ **Main board** <03> LPB10230-001C

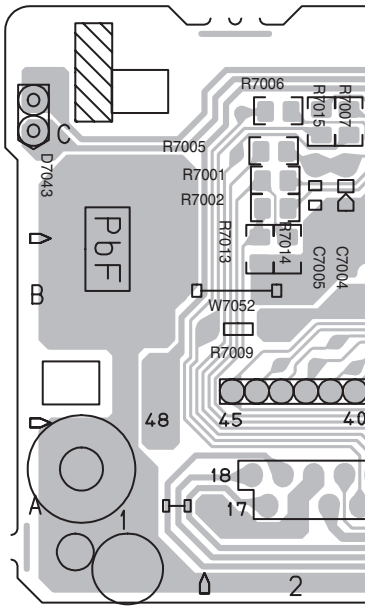



TUNER
TERMINAL
DEMOD
AUDIO
VIDEO SW
SYSCON

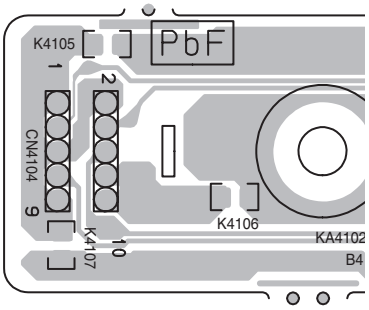
COMPONENT PARTS LOCATION GUIDE <MAIN> LPB10230-001C

REF.NO.	LOCATION
CAPACITOR	
C3007	B C 5E
C3010	A D 3M
C3011	A D 3M
C3014	A D 4D
C3015	B C 5E
C3016	B C 5G
C3017	B C 5H
C3018	B C 5H
C3019	B C 5H
C3020	B C 5H
C3021	B C 5H
C3022	B C 7I
C3024	B C 3H
C3025	A D 3H
C3026	B C 3H
C3027	A D 2H
C3028	B C 3I
C3029	B C 3H
C3030	A D 2H
C3031	B C 2H
C3032	B C 3G
C3033	B C 4E
C3034	B C 6I
C3035	B C 7I
C3036	B C 3H
C3037	B C 3G
C3038	A D 4E
C3039	B C 4E
C3041	B C 3H
C3042	A D 3N
C3049	B C 6F
C3050	B C 4G
C3051	B C 7F
C3054	B C 3H
C4001	A D 16H
C4002	B C 15G
C4003	B C 15D
C4004	B C 15E
C4005	B C 15E
C4006	B C 15E
C4007	B C 16E
C4008	B C 16E
C4009	B C 16E
C4010	B C 16E
C4011	B C 16E
C4012	B C 17F
C4013	B C 17G
C4014	B C 17F
C4015	B C 17F
C4016	B C 17G
C4017	B C 17F
C4018	B C 16G
C4019	B C 16G
C4020	B C 16F
C4021	B C 16G
C4022	B C 16G
C4023	B C 16G
C4024	B C 16G
C4025	B C 15G
C4026	B C 15G
C4027	B C 15G
C4028	A D 14G
C4029	A D 14G
C4030	B C 14G
C4031	B C 14G
C4032	B C 14G
C4033	B C 14G
C4034	A D 14F
C4035	B C 14F
C4036	B C 14F
C4037	B C 14F
C4038	B C 14F
C4039	B C 14E
C4040	B C 14E
C4041	B C 15E
C4043	B C 15E
C4044	B C 15E
C4045	A D 15E
C4046	B C 15E
C4047	B C 13E
C4048	B C 13F
C4049	B C 13F
C4050	B C 13F
C4055	B C 13E
C4056	B C 14E
C4057	B C 17E
C4058	A D 17E
C4059	A D 17E
C4060	B C 17E
C4061	B C 16E
C4065	A D 13E
C4066	B C 1P
C4067	B C 13F
C4068	B C 13G
C4069	B C 13G
C4070	B C 13G
C4071	B C 14G
C4072	A D 14G
C4073	B C 18I
C4076	B C 18H
C4077	B C 15H
C4078	B C 4O
C4079	B C 3O
C4080	B C 3O
C4081	B C 4O
C4082	B C 4O
C4084	B C 5O
C4085	B C 18G
C4086	B C 17G
C4087	B C 18G
C4088	B C 18G
C4089	B C 18G
C4090	B C 17G
C4091	B C 18F
C4092	B C 17F
C4101	B C 15L
C4102	B C 15I
C4103	B C 16K
C4104	A D 16K
C4105	B C 16K
C4106	B C 17K
C4107	B C 17K
C4108	A D 15L
C4109	B C 15L
C4115	B C 18L
C4116	A D 17L
C4117	B C 18L
C4118	A D 17K
C4119	A D 17M
C4120	A D 17M
C4121	A D 17N
C4123	B C 14L
C4124	B C 14L
C4131	B C 18J
C4132	B C 17J
C4133	B C 18K
C4134	B C 18K
C4135	B C 18I
C4136	B C 17I
C4137	B C 18J
C4138	B C 18J
C6005	A D 15O
C6006	B C 15P
C6007	A D 16O
C6008	B C 16P
C6012	A D 17O
C6013	B C 18P
C6020	B C 16P
C6021	B C 16P
C6033	B C 12P
C6034	B C 13P
C6501	A D 15M
C6502	A D 15M
C6503	A D 15M
C6504	B C 15M
C6505	A D 16M
C6506	B C 16M
C6507	B C 17M
C6508	B C 17M
C6509	A D 16M
C6510	A D 17N
C6511	B C 17O
C6512	B C 16O
C6513	A D 16O
C6514	B C 16O
C6515	A D 16N
C6516	A D 16N
C6517	B C 16O
C6518	B C 15N
C6519	A D 17N
C6520	A D 15N
C6521	A D 15N
C6522	A D 15N
C6523	A D 15N
C6619	B C 14N
C6650	B C 14M
C6651	B C 15N
C6652	B C 14N
C7001	A D 10B
C7002	A D 12C
C7003	A D 12A
C7004	A D 10C
C7005	A D 10C
C7006	A D 16C
C7007	A D 13B
C7008	A D 10B
C7010	A D 12A
C7011	A D 12A
C7012	A D 13A
C7056	A D 14C
C7150	B C 21M
C7151	B C 21K
C7152	B C 21K
C7153	B C 21J
C7154	B C 21J
C7202	A D 17D
C7211	B C 18E
C8005	A D 7M
C8006	A D 8M
C8007	A D 8M
C8008	A D 8M
C8009	A D 8M
C8010	A D 8N
C8011	A D 8N
C8012	A D 8N
C8013	A D 9N
C8014	A D 9N
C8021	A D 7N
C8022	A D 6N
C8023	A D 6N
C8024	B C 6N
C8025	A D 6N
C8026	B C 6N
C8027	A D 5N
C8028	B C 6N
C8201	B C 14J
C8202	A D 14J
C8203	B C 15I
C8204	B C 15J
C8205	B C 15J
C8206	B C 15K
C8207	B C 15J
C8208	B C 15J
C8209	B C 15J
C8210	A D 15J
C8211	B C 15J
C8212	A D 15J
C8215	A D 16I
C8216	A D 16I
C8217	A D 16K
C8218	A D 16J
C8219	B C 14K
C8401	A D 18C
C8402	B C 18C
C8501	A D 17C
C8502	B C 17B
C8503	A D 18C
C8504	B C 18C
C8505	B C 18B
C8506	B C 19B
CF6031	A D 13P
CONNECTOR	
CN3001	A D 5B
CN3002	A D 2N
CN3901	A D 3B
CN4001	A D 1O
CN4101	A D 7O
CN4102	A D 5O
CN4104	A D 21C
CN5101	A D 7A
CN5102	A D 3A
CN6201	A D 13I
CN6901	A D 13N
CN7001	A D 11A
CN7101	A D 21N
CN7102	A D 22I
DIODE	
D3002	A D 4J
D3003	A D 7B
D3004	A D 3N
D3005	A D 4N
D3007	B C 8F
D4001	B C 16E
D4002	B C 15E
D6002	A D 15P
D7001	A D 15B
D7021	A D 13A
D7031	A D 13A
D7032	A D 10C
D7033	A D 10C
D7034	A D 10C
D7035	A D 11C
D7042	A D 14C
D7043	A D 8C
D7112	A D 20M
D7113	A D 20M
D7114	A D 20K
D7115	A D 19I
D7123	A D 20N
D7124	A D 19G
D7125	A D 20G
D7126	A D 19H
D7127	A D 20H
D8001	B C 7L
D8201	A D 13K
D8202	A D 13L
DI7001	A D 12C
IC	
IC3001	B C 4F
IC3002	B C 3H
IC3003	B C 2H
IC3004	B C 7I
IC4001	B C 15F
IC4003	B C 16E
IC4101	B C 16L
IC6501	B C 16N
IC6601	B C 16N
IC6650	B C 14M
IC7001	B C 11B
IC7002	A D 16B
IC8001	B C 7M
IC8201	B C 14J
IC8202	B C 15J
IC8501	B C 17B
COIL	
L3001	A D 6B
L4001	A D 15H
L4002	A D 14H
L4003	A D 13F
L4004	A D 13F
L4006	A D 14H
L4007	A D 14F
L4008	A D 13G
L4101	A D 14L
L4102	A D 14L
L6001	A D 16O
L6003	A D 17O
L6005	A D 15O
L6032	A D 13O
L6033	A D 12P
L6501	A D 17N
L7001	A D 14A
L7201	A D 17D
L8001	A D 3L
L8002	A D 4N
L8501	A D 18C
TRANSISTOR	
Q3004	B C 7H
Q3009	B C 7F
Q3010	B C 8H
Q3901	B C 2G
Q4001	B C 13E
Q4003	B C 14E
Q4004	B C 15H
Q4005	B C 13F
Q4006	B C 13G
Q4101	B C 15L
Q6030	B C 12O
Q6031	B C 12P
Q6650	B C 13N
Q7001	A D 14C
Q7103	A D 20L
Q7104	A D 20L
Q7105	A D 20G
Q7106	A D 20J
Q7107	A D 20G
Q7201	A D 17E
Q7211	B C 17E
Q7212	B C 17E
Q8203	B C 17J
Q8204	B C 17I
Q8205	B C 17K
Q8206	B C 17J
Q8207	B C 13L
Q8208	B C 13L
RESISTOR	
R3012	B C 5E
R3017	B C 5F
R3018	B C 5E
R3020	B C 5E
R3021	B C 5F
R3024	B C 6F
R3025	B C 6F
R3026	B C 6F
R3028	B C 6F
R3029	B C 6F
R3030	B C 6F
R3031	B C 6F
R3032	B C 7F
R3033	B C 7G
R3034	B C 7G
R3035	B C 7G
R3036	B C 7G
R3037	B C 7G
R3038	B C 7G
R3039	B C 7H
R3040	B C 7H
R3041	B C 7H
R3042	B C 7H
R3044	B C 6H
R3046	B C 6H
R3047	B C 6H
R3048	B C 6H
R3049	B C 6H
R3050	B C 5H
R3051	B C 5H
R3052	B C 5H
R3053	B C 5H
R3054	B C 5H
R3055	B C 5H
R3059	B C 4H
R3060	B C 4H
R3061	B C 4H
R3062	B C 3H
R3063	B C 3H
R3066	B C 3H
R3069	B C 3G
R3071	B C 3G
R3072	B C 2E
R3074	B C 2E
R3075	B C 2F
R3076	B C 2F
R3080	B C 2F
R3081	B C 2F
R3083	B C 2F
R3085	B C 3F
R3086	B C 3F
R3087	B C 3F
R3089	B C 3E
R3090	B C 3E
R3091	B C 3E
R3092	B C 3E
R3093	B C 3E
R3094	B C 3E
R3095	B C 3E
R3096	B C 3D
R3097	B C 3D
R3213	B C 7H
R3214	B C 7H
R3218	B C 7A
R3219	B C 8H
R3220	B C 7H
R3223	B C 2F
R3224	B C 2F
R3229	B C 3G
R3230	B C 3H
R3231	B C 3H
R3233	B C 7F
R3235	B C 6H
R3236	B C 6H
R3237	B C 6H
R3238	B C 5E
R3239	B C 4I
R3240	B C 4H
R3246	B C 5F
R3251	B C 6H
R3252	B C 5E
R3256	B C 4H
R3257	B C 4H
R3258	B C 4H
R3260	B C 6F
R4001	B C 15E
R4002	B C 15E
R4003	B C 16E
R4004	B C 16E
R4005	B C 17F
R4006	B C 16F
R4007	B C 17G
R4009	B C 16G
R4010	B C 15G
R4011	B C 14G
R4012	B C 14G
R4013	B C 14F
R4014	B C 14F
R4015	B C 15E
R4016	B C 15E
R4017	B C 13E
R4018	B C 13F
R4019	B C 13F
R4020	B C 14F
R4021	B C 14E
R4026	B C 14E
R4027	B C 14E
R4028	B C 14E
R4029	B C 14E
R4030	B C 16E
R4031	B C 17E
R4033	B C 15H
R4034	B C 15H
R4035	B C 15H
R4036	B C 1P
R4040	B C 1P
R4041	B C 1P
R4042	B C 13G
R4043	B C 13F
R4044	B C 13F
R4045	B C 13F
R4046	B C 13G
R4047	B C 13G
R4048	B C 13G
R4049	B C 18G
R4050	B C 18G
R4051	B C 18G
R4052	B C 18G
R4053	B C 18F
R4054	B C 17F
R4055	B C 18F
R4056	B C 17F
R4057	B C 18H
R4058	B C 18H
R4059	B C 18H
R4060	B C 18H
R4101	B C 14L
R4102	B C 15L
R4118	B C 17L
R4119	B C 18L
R4120	B C 18K
R4121	B C 18L
R4122	B C 18K
R4123	B C 18J
R4124	B C 18J
R4125	B C 18K
R4126	B C 18K
R4127	B C 18L
R4128	B C 18J
R4129	B C 18J
R4130	B C 17I
R4131	B C 18J
R4132	B C 18N
R4133	B C 19N
R4134	B C 17N
R4135	B C 18N
R4136	B C 17N
R4137	B C 18N
R4138	B C 18M
R4139	B C 18M
R4140	B C 18M
R6020	B C 16P
R6021	B C 16P
R6030	B C 12O
R6031	B C 13O
R6032	B C 14P
R6033	B C 14P
R6034	B C 12O
R6035	B C 12P
R6501	B C 17M
R6502	B C 17N
R6503	B C 16N
R6504	B C 15O
R6505	B C 15O
R6508	B C 15N
R6509	B C 14O
R6510	B C 14O
R6511	B C 14O
R6512	B C 14N
R6515	B C 16M
R6516	B C 17N
R6650	B C 13N
R6651	B C 14N
R6652	B C 14N
R6653	B C 14N
R6654	B C 14N
R6655	B C 13N
R6656	B C 14N
R6657	B C 13M
R7001	B C 10C
R7002	B C 10C
R7003	B C 11C
R7005	B C 9C
R7006	B C 10C
R7007	B C 10C
R7009	A D 9B
R7010	B C 13A
R7013	B C 9B
R7014	B C 10B
R7015	B C 10C
R7016	A D 16B
R7021	A D 14A
R7044	A D 15C
R7045	A D 14C
R7047	A D 14C
R7106	A D 20M
R7107	A D 20M
R7108	A D 19G
R7109	A D 20F
R7110	A D 20F
R7111	A D 20F
R7112	A D 19H
R7113	A D 19H
R7114	A D 20H
R7115	A D 20H
R7151	B C 21M
R7152	B C 21M
R7153	B C 21L
R7154	B C 21K
R7155	B C 21J
R7156	B C 22K
R7202	B C 18D
R7203	B C 18D
R7204	A D 17F
R7205	B C 18D
R7211	B C 17E
R7212	B C 18F
R7213	B C 18E
R8001	B C 7L
R8002	B C 9N
R8003	B C 8L
R8004	B C 9N
R8007	B C 8M
R8008	B C 8N
R8013	B C 8M
R8014	B C 8N
R8015	B C 8M
R8016	B C 8N
R8017	B C 7L
R8018	B C 8L
R8019	B C 7M
R8020	B C 8M
R8021	B C 8N
R8022	B C 8N
R8023	B C 8N
R8024	B C 7N
R8025	B C 8N
R8026	B C 9N
R8031	B C 7N
R8032	B C 6N
R8033	B C 5M
R8034	B C 6M
R8035	B C 5M
R8036	B C 5L
R8039	B C 6M
R8040	B C 6L
R8041	B C 6L
R8042	B C 6K
R8043	B C 7L
R8044	B C 6L
R8045	B C 6M
R8046	B C 6L
R8047	B C 6M
R8201	B C 13K
R8202	B C 13K
R8203	B C 12K
R8204	B C 12K
R8206	B C 13K
R8211	B C 14I
R8212	B C 14I
R8213	B C 15I
R8214	B C 14J
R8215	B C 15I
R8216	B C 15J
R8217	B C 15K
R8218	B C 15K
R8219	B C 15J
R8220	B C 15K
R8221	B C 15J
R8222	B C 15K
R8223	B C 16J
R8224	B C 16J
R8233	B C 15K
R8234	B C 15K
R8241	B C 16I
R8242	B C 16J
R8244	B C 17J
R8245	B C 16I
R8246	B C 17I
R8248	B C 17I
R8249	B C 17J
R8250	B C 16K
R8252	B C 17K
R8253	B C 16J
R8254	B C 16J
R8256	B C 17J
R8501	B C 18C
R8502	B C 17B
R8503	B C 18B
R8504	B C 18C
R8505	B C 19C
R8506	B C 18B
R8507	B C 18B
OTHER	
GN1	A D 10P
GN2	A D 2P
GN3	A D 9P
GN4	A D 4C
GN5	A D 18O
J4002	A D 19G
J4003	A D 19F
J4101	A D 19H
J4102	A D 19L
J4103	A D 19J
J4104	A D 19I
J4105	A D 19M
J4106	A D 19N
J4112	A D 22H
J7001	A D 21M
J7002	A D 21K
J7201	A D 19E
J7202	A D 19D
J8401	A D 19C
J8501	A D 19B
K4101	B C 22G
K4102	B C 22G
K4103	B C 21H
K4104	B C 21H
K4105	B C 21C
K4106	B C 22D
K4107	B C 22C
K8201	B C 14J
K8501	B C 19B
KA4101	B C 21E
KA4102	B C 22E
PC0954	B C 22Q
PC0958	B C 1A
S7001	A D 16A
S7113	A D 20G
S7114	A D 20H
S7115	A D 20I
S7132	A D 20N
S7133	A D 20L
S7134	A D 20K
S7135	A D 20J
TP3901	B C 6G
TP3902	B C 6G
TP3903	B C 3H
TP3904	B C 3G
TP3905	B C 3H
TP3906	B C 4G
TP3907	B C 4H
TP3908	B C 4H
TU6001	A D 19P
X3001	A D 4G
X3002	A D 3G

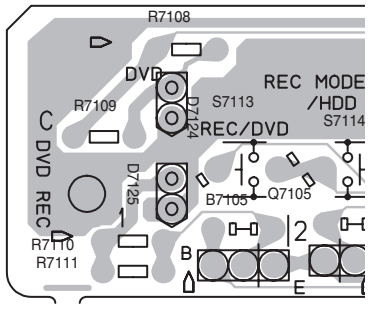
■ Switch display boar



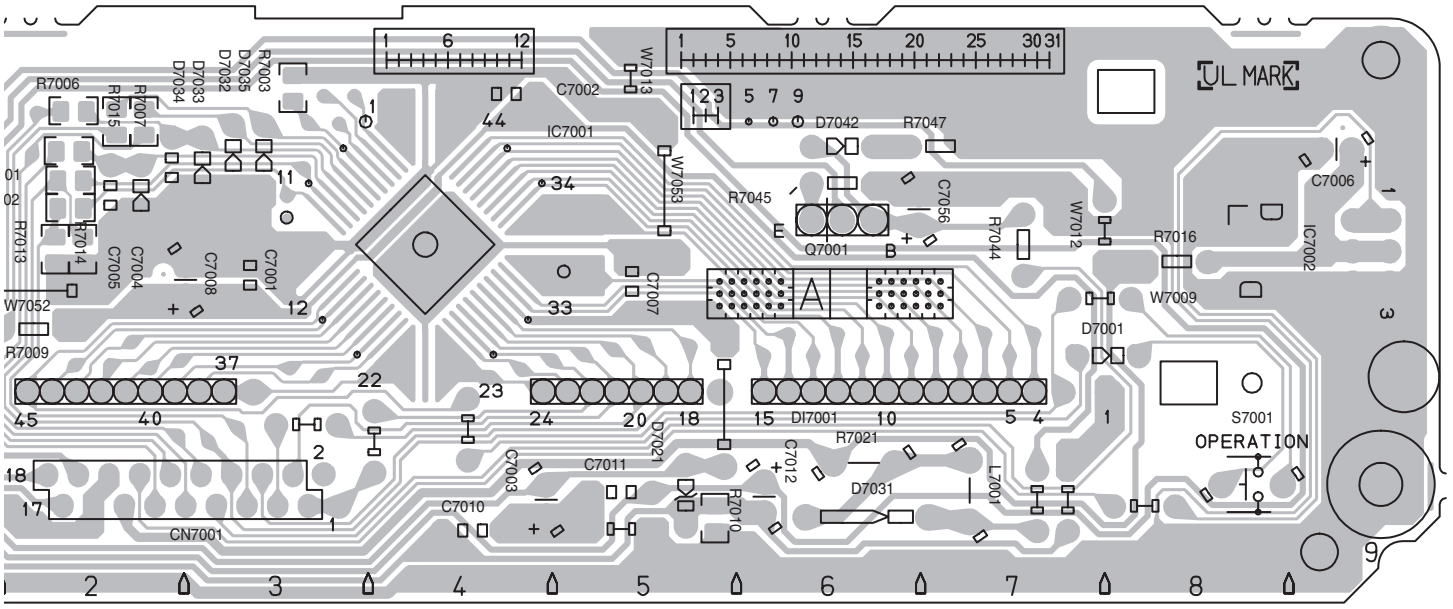
■ Jack board <36> LP



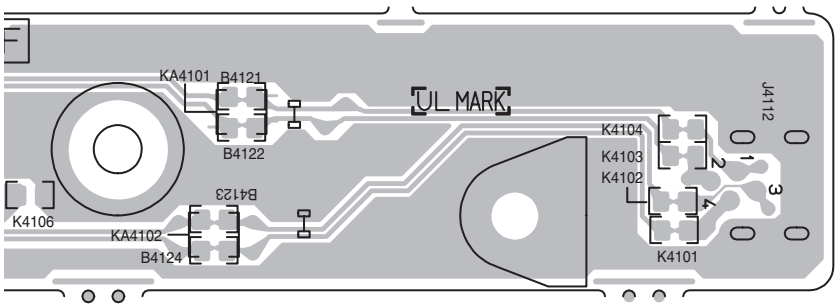
■ Operation board <



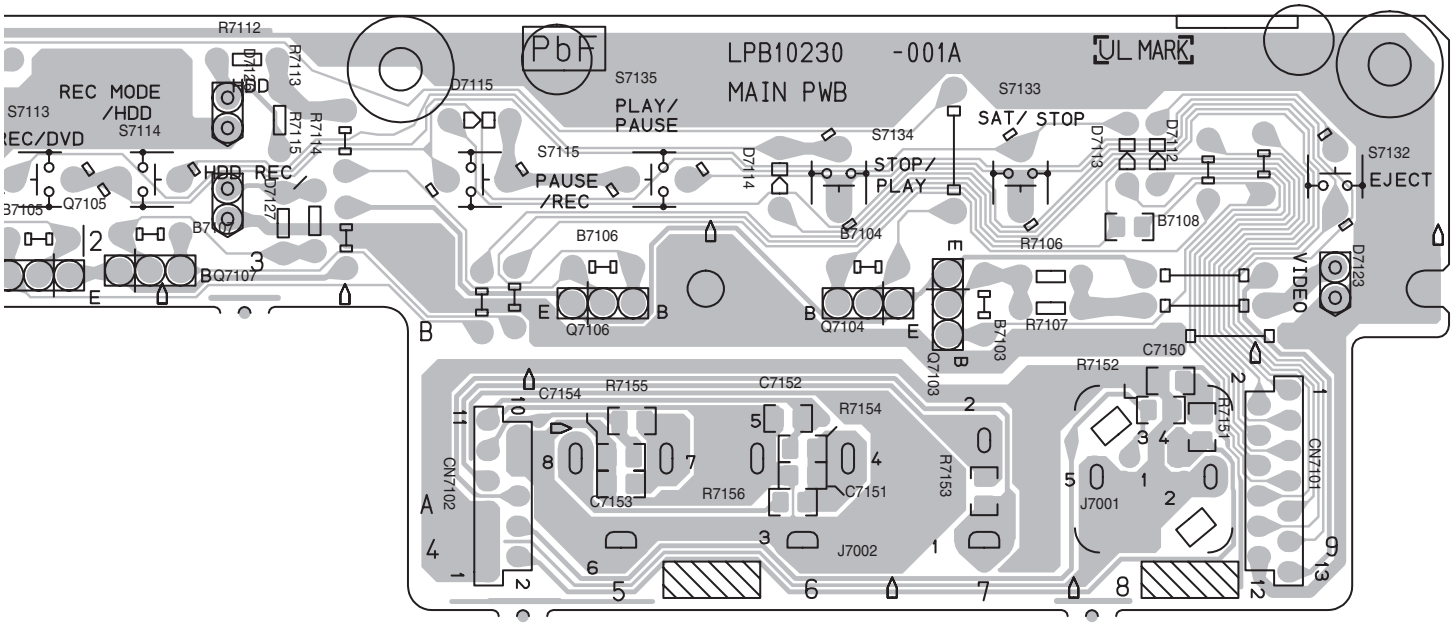
ɔplay board <28> LPB10230-001C



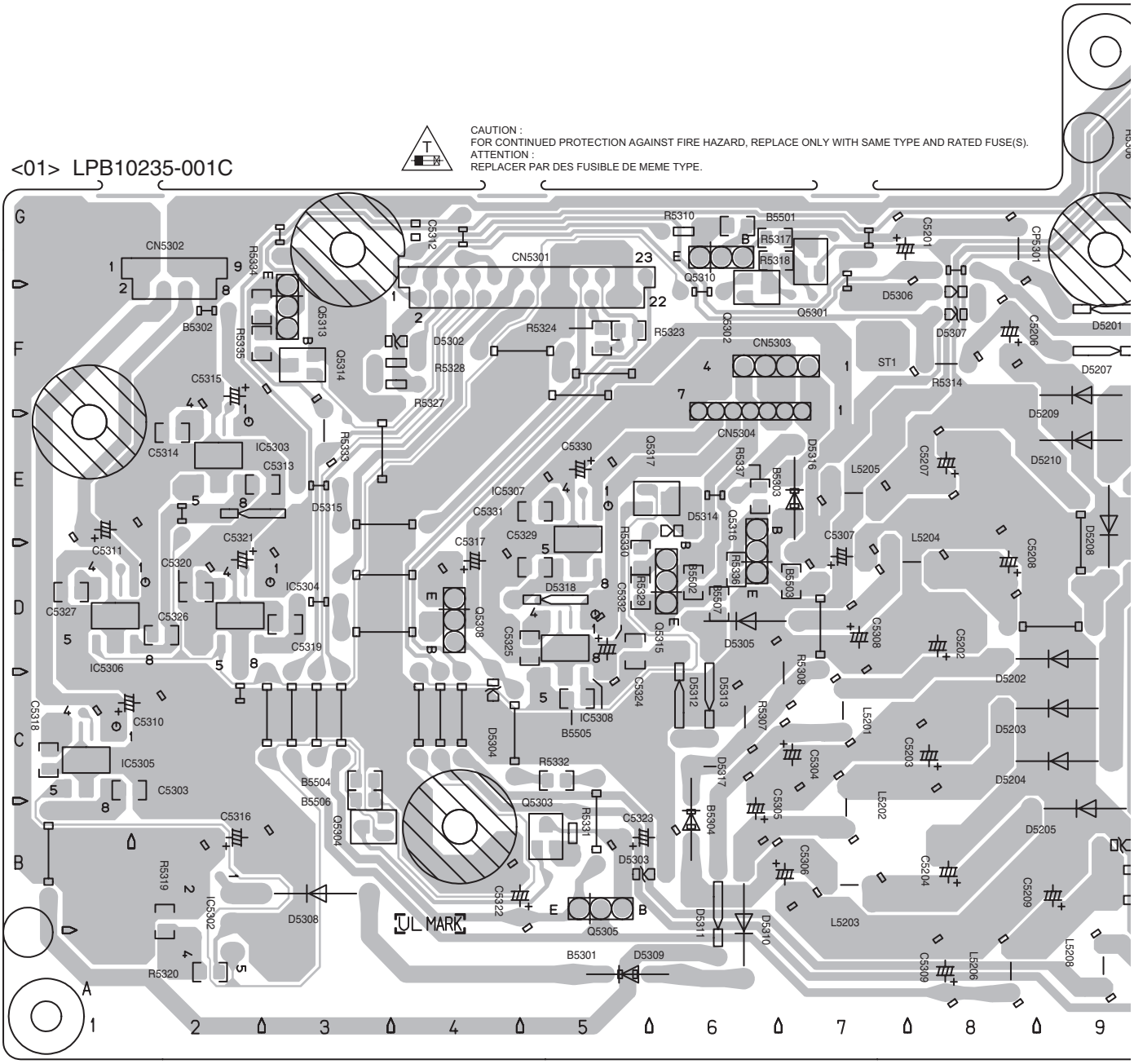
d <36> LPB10230-001C



board <27> LPB10230-001C

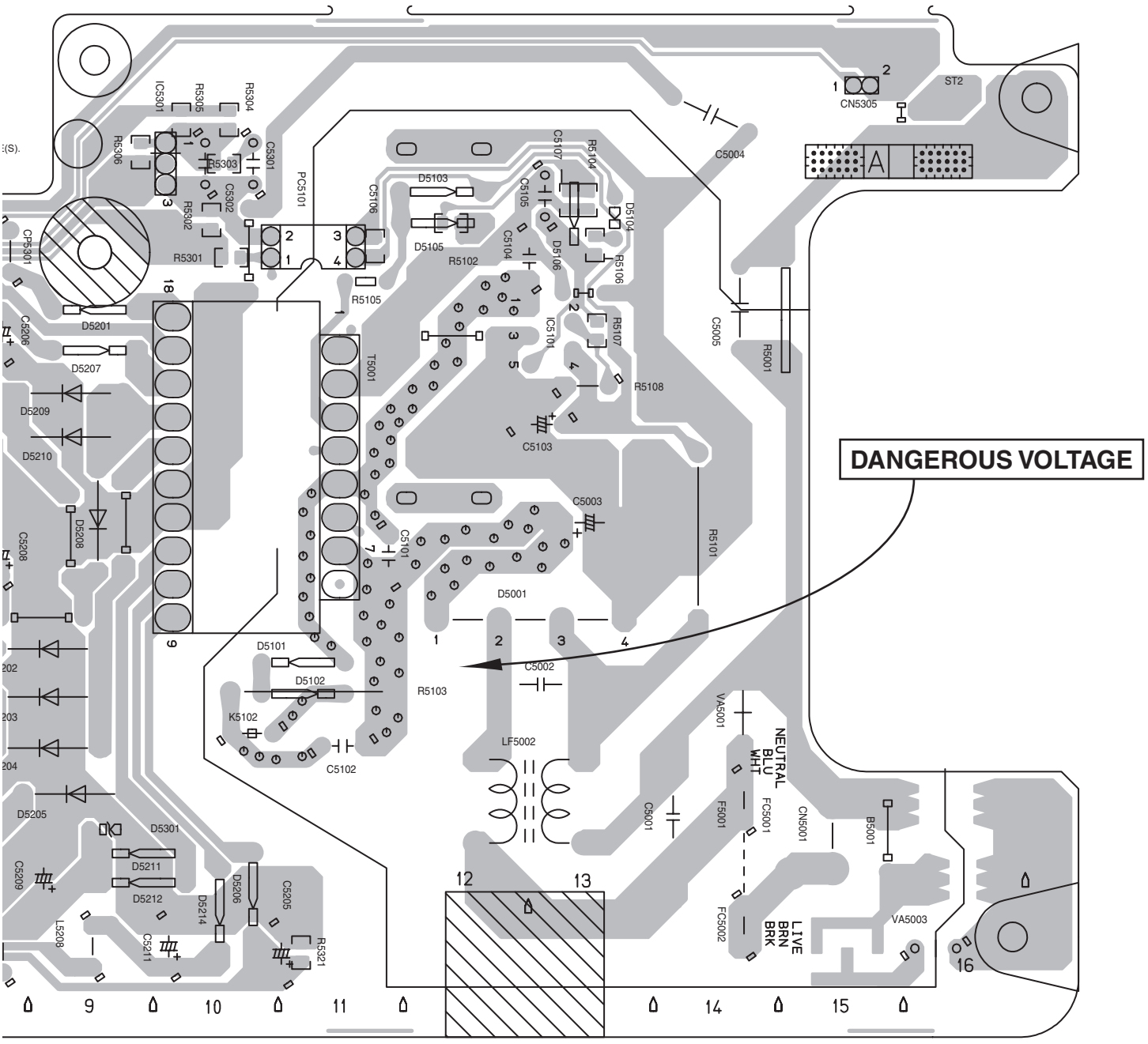


■ Switching regurator board



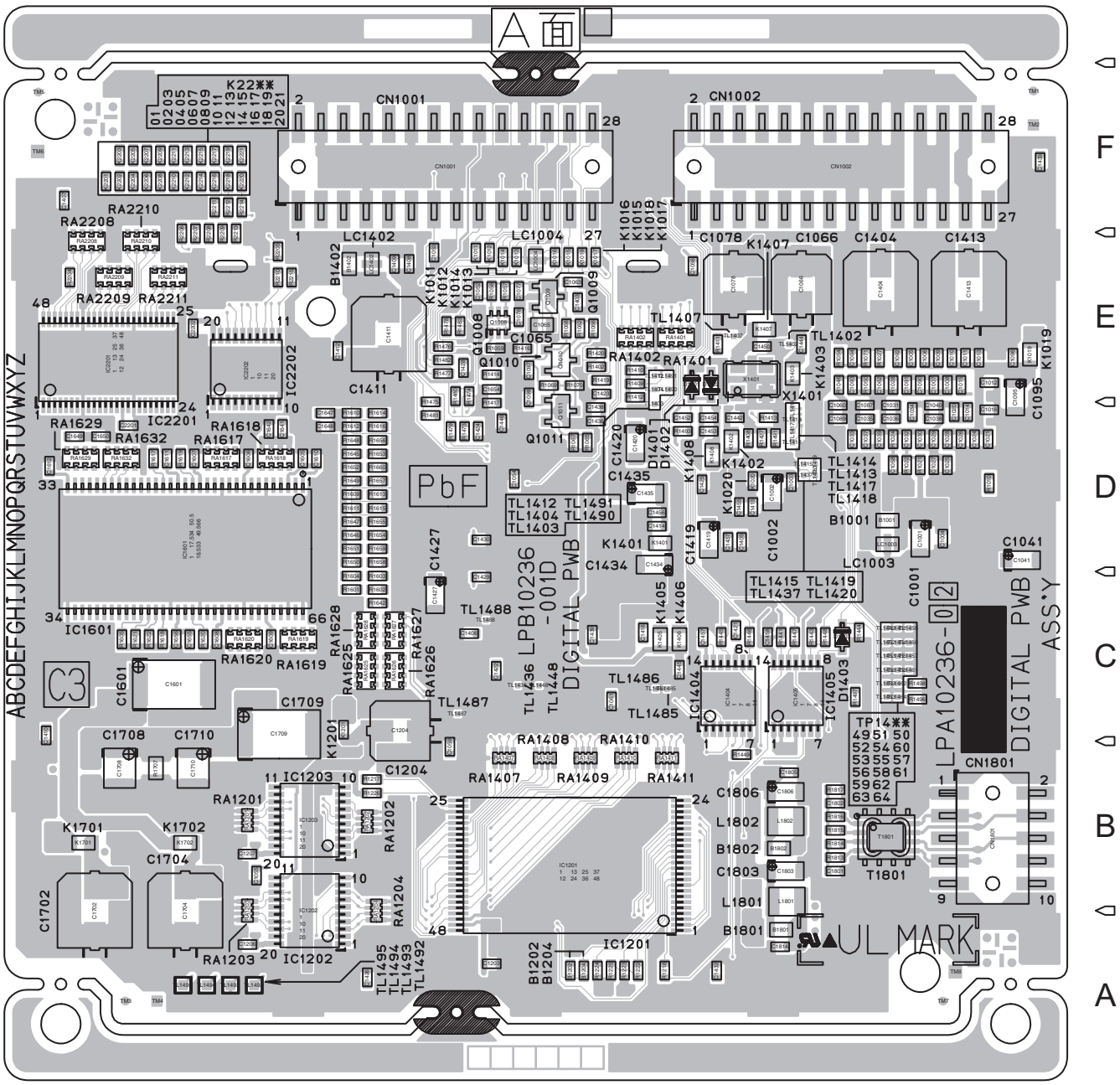
COMPONENT PARTS LOCATION GUIDE <SWITCHING REGURATOR> LPB10235-001C

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR		C5307	A D 7D	CN5302	A D 1F	D5304	A D 4C	L5202	A D 7B	R5106	B C 13G	R5336	B C 6D
C5001	A D 14B	C5308	A D 7D	CN5303	A D 7F	D5305	A D 7D	L5203	A D 7B	R5107	B C 13F	R5337	B C 6E
C5002	A D 12C	C5309	A D 8A	CN5304	A D 7E	D5306	A D 8F	L5204	A D 7D	R5108	A D 13F		
C5003	A D 13D	C5310	A D 1C	CN5305	A D 15H	D5307	A D 8F	L5205	A D 7E	R5301	B C 10G	**OTHER**	
C5004	A D 14H	C5311	A D 1D			D5308	A D 3B	L5206	A D 8A	R5302	B C 10G	CP5301	A D 8F
C5005	A D 14F	C5312	A D 4G	**DIODE**		D5309	A D 6A	L5208	A D 9A	R5303	B C 10G	F5001	A D 14B
C5101	A D 11D	C5313	B C 3E	D5001	A D 12D	D5310	A D 6B	LF5002	A D 13C	R5304	B C 10H	FC5001	A D 14B
C5102	A D 11C	C5314	B C 2E	D5101	A D 11C	D5311	A D 6B			R5305	B C 10H	FC5002	A D 14A
C5103	A D 13E	C5315	A D 2E	D5102	A D 10C	D5312	A D 6C	**TRANSISTOR**		R5306	B C 9G	K5102	A D 10C
C5104	A D 13F	C5316	A D 2B	D5103	A D 11G	D5313	A D 6C	Q5301	B C 7G	R5307	A D 6C	PC0220	A D 15B
C5105	A D 13G	C5317	A D 4D	D5104	A D 13G	D5314	A D 6D	Q5302	B C 6F	R5308	A D 7C	PC0221	A D 15B
C5106	B C 11G	C5318	B C 1C	D5105	A D 11G	D5315	A D 3E	Q5303	B C 5B	R5310	A D 6G	PC5101	A D 10G
C5107	B C 13G	C5319	B C 3D	D5106	A D 13G	D5316	A D 7D	Q5304	B C 3B	R5314	A D 8F	SG5001	B C 15A
C5201	A D 7G	C5320	B C 2D	D5201	A D 9F	D5317	A D 6B	Q5305	A D 5A	R5317	B C 6G	T5001	A D 11F
C5202	A D 8C	C5321	A D 3D	D5202	A D 9C	D5318	A D 5D	Q5308	A D 4D	R5318	B C 6G	VA5001	A D 14C
C5203	A D 8C	C5322	A D 5A	D5203	A D 9C			Q5310	A D 6G	R5319	B C 2A	VA5003	A D 16A
C5204	A D 8B	C5323	A D 5B	D5204	A D 9C	**IC**		Q5313	A D 3F	R5320	B C 2A		
C5205	A D 11A	C5324	B C 5C	D5205	A D 9B	IC5101	A D 13F	Q5314	B C 3F	R5321	B C 11A		
C5206	A D 8F	C5325	B C 5D	D5206	A D 10B	IC5301	A D 10G	Q5315	A D 6D	R5323	B C 5F		
C5207	A D 8E	C5326	B C 2D	D5207	A D 9F	IC5302	A D 2B	Q5316	A D 6D	R5324	B C 5F		
C5208	A D 8D	C5327	B C 1D	D5208	A D 9E	IC5303	B C E2	Q5317	B C 6E	R5327	A D 4F		
C5209	A D 9A	C5329	B C 5D	D5209	A D 9E	IC5304	B C 2D			R5328	A D 4F		
C5211	A D 10A	C5330	A D 5E	D5210	A D 9E	IC5305	B C 1C	**RESISTOR**		R5329	B C 5D		
C5301	A D 10G	C5331	B C 5E	D5211	A D 10B	IC5306	B C 1D	R5001	A D 15G	R5330	B C 5D		
C5302	A D 10G	C5332	A D 5D	D5212	A D 10B	IC5307	B C 5D	R5101	A D 14D	R5331	A D 5B		
C5303	B C 1B			D5214	A D 10B	IC5308	B C 5D	R5102	B C 12G	R5332	B C 5B		
C5304	A D 7C	**CONNECTOR**		D5301	A D 9B			R5103	A D 10C	R5333	A D 3E		
C5305	A D 6B	CN5001	A D 15B	D5302	A D 4F	**COIL**		R5104	B C 13G	R5334	B C 3F		
C5306	A D 7B	CN5301	A D 4F	D5303	A D 6B	L5201	A D 7C	R5105	A D 11F	R5335	B C 3F		

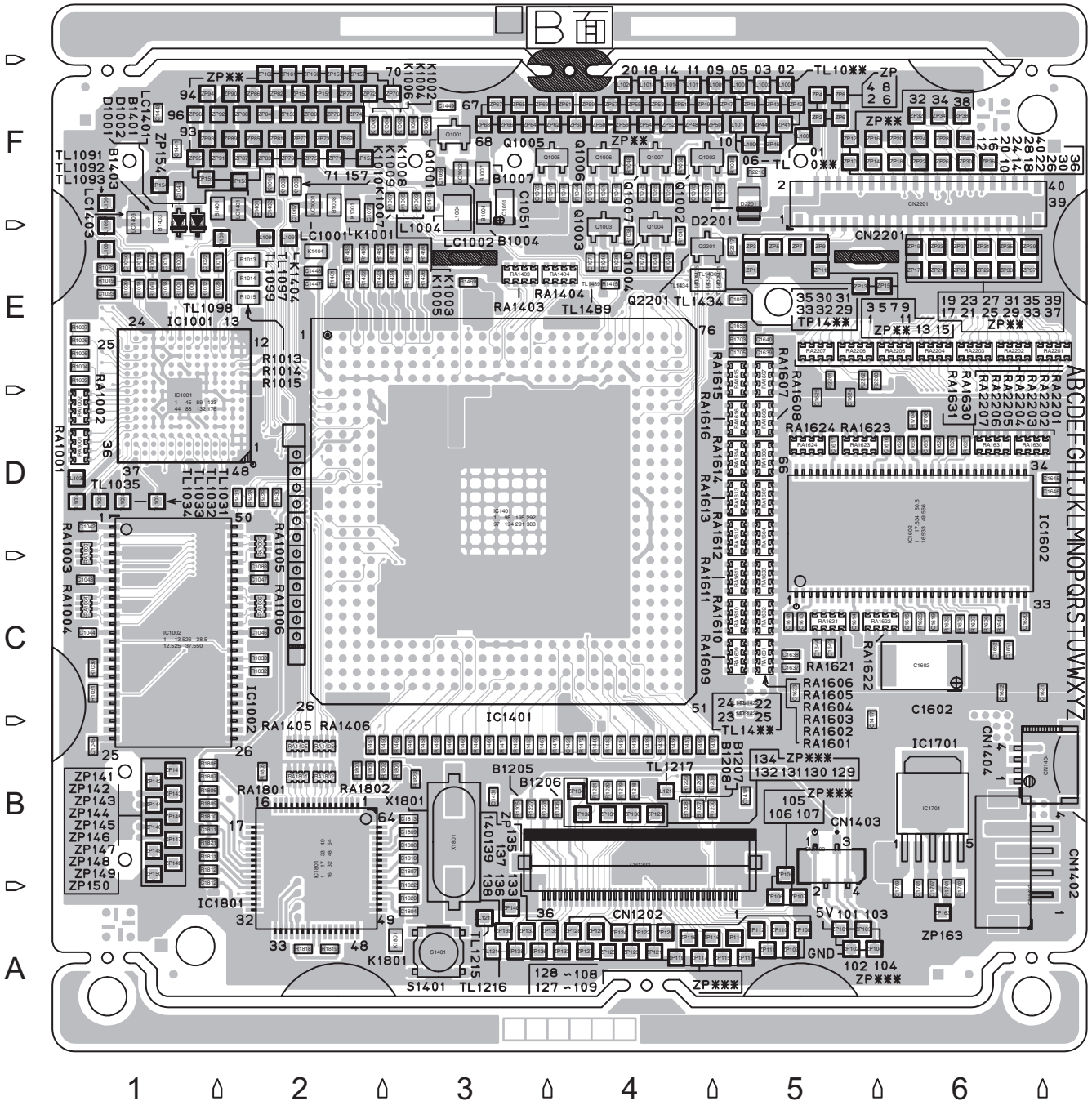

DANGEROUS VOLTAGE
ST2
CN5305
C5004
C5005
R5001
R5101
C5003
D5001
C5002
R5103
K5102
C5102
LF5002
VA5001
NEUTRAL
BLU
WHT
LIVE
BRN
BRK
F5001
FC5001
CN5001
B5001
C5001
FC5002
VA5003
T5001
PC5101
IC5101
R5102
R5104
R5105
R5106
R5107
R5108
C5101
C5103
C5104
C5105
C5106
C5107
D5103
D5104
D5105
D5106
R5301
R5302
R5303
R5304
R5305
R5306
IC5301
C5301
C5302
CR5301
D5201
C5206
D5207
D5209
D5210
D5208
C5208
D5205
D5301
D5211
D5212
D5214
D5206
C5205
C5209
L5208
C5211
R5321
D5101
D5102
9
10
11
12
13
14
15
16

■ Digital board <02> LPB10236-001D

Forward side



Reverse side



COMPONENT PARTS LOCATION GUIDE <DIGITAL> LPB10236-001D

REF.NO.	LOCATION
CAPACITOR	
C1001	A C 1D
C1002	A C 2D
C1003	A C 2D
C1004	A C 1D
C1005	A C 1E
C1006	A C 1E
C1007	A C 1E
C1008	A C 1E
C1009	A C 1E
C1010	A C 1E
C1011	A C 1E
C1012	A C 1E
C1013	A C 1E
C1014	A C 1D
C1015	A C 1E
C1016	A C 1D
C1017	B C 1E
C1018	B C 1E
C1019	B C 1E
C1020	A C 1D
C1021	A C 1D
C1022	B C 1E
C1023	B C 1E
C1024	A C 1D
C1025	A C 1D
C1026	A C 1D
C1027	A C 1D
C1028	A C 1D
C1029	A C 1D
C1030	A C 1D
C1031	A C 2D
C1032	A C 1D
C1033	A C 2D
C1034	A C 1D
C1035	A C 2D
C1036	A C 2D
C1037	A C 2D
C1038	A C 1D
C1039	A C 2D
C1040	A C 1D
C1041	A C 1D
C1042	B C 1D
C1043	B C 1C
C1044	B C 1C
C1045	B C 1B
C1046	B C 2C
C1047	B C 2C
C1048	B C 3F
C1049	B C 1F
C1050	B C 1E
C1051	B C 3F
C1052	A C 4E
C1053	A C 4E
C1054	A C 4D
C1055	A C 5B
C1056	A C 3E
C1057	B C 5E
C1058	A C 2D
C1059	A C 4B
C1060	A C 2D
C1061	A C 3C
C1062	A C 2E
C1063	A C 3E
C1065	A C 4E
C1066	A C 2E
C1067	B C 2F
C1069	B C 3F
C1070	B C 4F
C1071	B C 4E
C1072	B C 4E
C1073	B C 3F
C1074	B C 4F
C1075	B C 4F
C1076	A C 4E
C1077	A C 4E
C1078	A C 2E
C1079	B C 2F
C1087	A C 2D
C1088	B C 2C
C1089	A C 2D
C1090	A C 1E
C1091	A C 1E
C1092	A C 2E
C1093	A C 2E
C1094	A C 2E
C1095	A C 1E
C1096	A C 1E
C1097	A C 4E
C1098	A C 4E
C1203	A C 4A
C1204	A C 4C
C1206	A C 5A
C1207	A C 5B
C1208	B C 4B
C1401	B C 2F
C1402	B C 2F
C1403	A C 3E
C1404	A C 2E
C1405	A C 2D
C1406	A C 4C
C1407	A C 6F
C1408	A C 4E
C1409	A C 4E
C1410	A C 7C
C1411	A C 5E
C1412	A C 5E
C1413	A C 1E
C1414	A C 3D
C1415	A C 2D
C1416	A C 3C
C1417	B C 5C
C1418	B C 5B
C1419	A C 3D
C1420	A C 3D
C1421	A C 2C
C1422	A C 4C
C1423	A C 3E
C1424	A C 4D
C1425	A C 3D
C1426	A C 5A
C1427	A C 4C
C1428	A C 4E
C1429	A C 4C
C1430	A C 4D
C1431	B C 3B
C1432	A C 3A
C1433	A C 1F
C1434	A C 3D
C1435	A C 3D
C1436	A C 3D
C1437	A C 3D
C1438	A C 3D
C1439	A C 3C
C1440	B C 3F
C1441	B C 1F
C1442	A C 2D
C1443	B C 1F
C1444	A C 2E
C1445	A C 3C
C1446	A C 4D
C1447	B C 2E
C1448	B C 2E
C1449	B C 3F
C1450	A C 2E
C1452	A C 3D
C1453	A C 3D
C1454	A C 3D
C1455	A C 2D
C1456	A C 3D
C1457	A C 3C
C1458	A C 2C
C1459	B C 4B
C1601	A C 6C
C1602	B C 6C
C1605	A C 5D
C1606	A C 5D
C1607	A C 6D
C1608	A C 6C
C1609	A C 5C
C1610	A C 5D
C1611	A C 6D
C1612	A C 7D
C1613	B C 5C
C1614	B C 5C
C1615	B C 6C
C1616	B C 6D
C1617	B C 5D
C1618	B C 5C
C1619	B C 6C
C1620	B C 6C
C1621	B C 7C
C1622	B C 6C
C1623	B C 5C
C1624	B C 5D
C1625	B C 5D
C1626	B C 5C
C1637	B C 5C
C1638	B C 5C
C1639	B C 5E
C1640	B C 5E
C1641	A C 5D
C1642	A C 5D
C1643	B C 5C
C1644	B C 5C
C1645	B C 7D
C1646	B C 7D
C1647	A C 5D
C1648	A C 5D
C1649	A C 6D
C1650	A C 6D
C1651	B C 6C
C1652	B C 6C
C1653	B C 5E
C1654	A C 4E
C1655	A C 6C
C1656	A C 6C
C1657	B C 6D
C1658	B C 6D
C1701	B C 6A
C1702	A C 6B
C1703	B C 6A
C1704	A C 6B
C1705	B C 5E
C1706	B C 6D
C1707	B C 6A
C1708	A C 6B
C1709	A C 5C
C1710	A C 6B
C1801	A C 2B
C1802	A C 2B
C1803	A C 2B
C1804	B C 3A
C1805	A C 2B
C1806	A C 2B
C1807	B C 3B
C1808	B C 3B
C1809	B C 3B
C1810	B C 3B
C1811	B C 1B
C1812	B C 1B
C1813	B C 3B
C1814	A C 2A
C2201	A C 6D
C2202	A C 6E
CONNECTOR	
CN1001	A C 4F
CN1002	A C 2F
CN1202	B C 4B
CN1402	B C 6A
CN1403	B C 5B
CN1404	B C 7B
CN1801	A C 1B
CN2201	B C 6F
DIODE	
D1001	B C 1F
D1002	B C 1F
D1401	A C 3E
D1402	A C 3E
D1403	A C 2C
D2201	B C 5F
IC	
IC1001	B C 1D
IC1002	B C 1C
IC1201	A C 3B
IC1202	A C 5B
IC1203	A C 5B
IC1401	B C 3D
IC1404	A C 3C
IC1405	A C 2C
IC1601	A C 6D
IC1602	B C 6D
IC1701	B C 6B
IC1801	B C 2B
IC2201	A C 6E
IC2202	A C 5E
COIL	
L1004	B C 3F
L1801	A C 2B
L1802	A C 2B
LC1001	B C 2F
LC1002	B C 3F
LC1003	A C 2D
LC1004	A C 4E
LC1401	B C 2F
LC1402	A C 5E
LC1403	B C 1F
TRANSISTOR	
Q1001	B C 3F
Q1002	B C 4F
Q1003	B C 4E
Q1004	B C 4E
Q1005	B C 4F
Q1006	B C 4F
Q1007	B C 4F
Q1008	A C 4E
Q1009	A C 4E
Q1010	A C 3E
Q1011	A C 3D
Q2201	B C 4E
RESISTOR	
R1001	B C 1E
R1002	B C 1E
R1003	B C 1E
R1004	B C 1E
R1005	B C 1E
R1006	B C 1E
R1007	B C 1E
R1009	B C 1E
R1010	A C 1D
R1012	B C 1E
R1013	B C 2E
R1014	B C 2E
R1015	B C 2E
R1017	B C 2E
R1018	B C 1E
R1019	B C 1E
R1020	B C 1E
R1021	A C 1D
R1022	A C 1D
R1024	A C 2D
R1027	A C 2E
R1028	A C 2E
R1029	B C 2E
R1030	B C 1C
R1031	B C 1C
R1032	B C 2C
R1033	B C 2C
R1034	B C 3F
R1035	B C 5F
R1036	B C 5F
R1037	B C 4F
R1038	B C 4E
R1039	B C 4E
R1040	B C 4E
R1041	B C 4E
R1042	B C 4E
R1043	B C 4E
R1044	B C 4F
R1045	B C 4F
R1046	A C 2E
R1047	B C 4F
R1048	B C 4F
R1049	B C 4F
R1050	A C 2E
R1051	B C 4F
R1052	B C 4F
R1053	B C 4F
R1054	A C 2E
R1055	B C 4F
R1056	A C 4E
R1057	A C 4E
R1059	A C 4E
R1060	B C 1E
R1061	B C 1E
R1062	A C 3E
R1065	A C 3D
R1066	A C 3E
R1067	A C 3D
R1068	A C 3E
R1069	A C 4E
R1070	A C 3E
R1071	A C 2E
R1072	B C 1E
R1216	A C 3A
R1217	A C 5B
R1218	B C 4B
R1219	B C 4B
R1220	B C 4B
R1221	B C 4B
R1222	A C 3A
R1223	A C 3A
R1224	A C 3A
R1225	A C 3A
R1226	A C 5B
R1227	B C 3B
R1228	B C 3B
R1229	B C 4B
R1230	B C 5B
R1231	B C 5B
R1401	B C 2E
R1402	A C 3E
R1408	A C 2D
R1409	A C 3E
R1410	A C 3E
R1411	A C 3E
R1412	A C 3E
R1413	A C 2D
R1414	A C 4E
R1415	B C 4E
R1416	A C 4E
R1417	A C 4D
R1419	A C 3E
R1420	A C 3E
R1421	B C 2E
R1422	B C 2E
R1423	B C 2E
R1424	B C 3E
R1425	B C 3E
R1426	B C 3E
R1427	A C 2D
R1428	B C 2D
R1429	B C 2D
R1430	B C 2D
R1431	B C 2D
R1432	B C 4B
R1433	B C 4B
R1434	B C 4B
R1435	B C 5B
R1436	B C 4B
R1437	B C 4B
R1438	B C 4B
R1439	B C 4B
R1440	B C 4B
R1441	A C 2C
R1443	A C 2C
R1444	A C 2C
R1445	A C 3C
R1446	A C 2C
R1447	A C 2C
R1448	A C 2C
R1449	A C 2B
R1450	B C 3B
R1451	B C 2B
R1452	B C 3B
R1453	B C 3B
R1458	B C 3B
R1459	B C 3B
R1460	B C 3B
R1461	B C 3B
R1462	B C 3B
R1465	B C 3B
R1466	B C 3B
R1467	B C 3B
R1468	B C 3B
R1469	B C 3E
R1470	B C 4B
R1471	B C 3B
R1472	B C 4B
R1473	A C 4D
R1474	A C 4E
R1475	A C 4E
R1476	A C 4E
R1477	A C 4E
R1478	A C 4E
R1479	A C 4D
R1480	A C 4E
R1481	A C 4D
R1482	A C 4E
R1483	A C 4E
R1485	B C 2E
R1486	B C 2E
R1487	B C 2E
R1488	B C 3E
R1489	B C 3E
R1490	B C 3E
R1491	A C 2D
R1492	B C 4B
R1493	A C 3D
R1496	A C 1C
R1497	A C 2C
R1498	A C 1C
R1601	A C 5C
R1602	A C 5C
R1603	A C 5C
R1604	A C 5C
R1605	A C 6C
R1606	B C 6C
R1607	B C 6C
R1608	B C 6C
R1609	A C 5D
R1610	A C 5D
R1611	A C 5D
R1612	A C 5D
R1613	A C 5D
R1614	A C 5D
R1615	A C 5D
R1616	A C 5D
R1617	A C 6D
R1618	A C 6C
R1619	A C 6D
R1620	A C 6C
R1621	A C 6C
R1622	A C 6C
R1623	B C 6C
R1624	B C 6D
R1625	B C 6C
R1626	B C 6D
R1627	B C 6D
R1628	B C 6D
R1642	A C 5C
R1644	B C 6C
R1645	A C 5D
R1646	A C 5D
R1647	A C 5D
R1648	A C 5D
R1649	A C 5D
R1650	A C 5D
R1651	A C 5D
R1652	A C 5D
R1653	A C 5D
R1654	A C 5D
R1655	A C 5D
R1656	A C 5D
R1657	A C 5D
R1658	A C 5D
R1659	A C 5D
R1660	A C 5D
R1701	B C 6A
R1702	B C 6A
R1703	B C 5E
R1704	B C 6D
R1707	A C 6B
R1801	B C 3B
R1802	B C 3B
R1803	B C 2B
R1804	B C 2B
R1805	B C 2B
R1806	B C 1B
R1807	B C 1B
R1808	B C 1B
R1809	B C 1B
R1810	B C 1B
R1811	B C 1B
R1812	B C 1B
R1813	A C 2B
R1814	A C 2B
R1815	A C 2B
R1816	A C 2B
R1817	A C 2B
R1818	B C 2A
R1819	B C 2A
R1820	B C 3A
R1821	B C 1B
R1822	B C 3B
R1823	B C 3B
R2201	B C 5E
R2202	B C 5E
R2203	B C 5E
R2204	A C 6E
R2205	A C 5E
R2206	A C 6E
R2207	A C 6E
R2208	A C 6E
R2209	A C 5E
R2210	A C 5E
R2211	A C 6F
R2212	A C 5F
R2213	A C 5E
R2214	A C 5F
R2215	A C 5E
R2216	B C 5F
R2217	B C 5E
RA1001	B C 1D
RA1002	B C 1D
RA1003	B C 1D
RA1004	B C 1C
RA1005	B C 2D
RA1006	B C 2C
RA1201	A C 5B
RA1202	A C 5B
RA1203	A C 5B
RA1204	A C 5B
RA1401	A C 3E
RA1402	A C 3E
RA1403	B C 3E
RA1404	B C 4E
RA1405	B C 2B
RA1406	B C 2B
RA1407	A C 4B
RA1408	A C 4B
RA1409	A C 3B
RA1410	A C 3B
RA1411	A C 3B
RA1601	B C 5C
RA1602	B C 5C
RA1603	B C 5C
RA1604	B C 5D
RA1605	B C 5D
RA1606	B C 5D
RA1607	B C 5E
RA1608	B C 5D
RA1609	B C 5C
RA1610	B C 5C
RA1611	B C 5C
RA1612	B C 5D
RA1613	B C 5D
RA1614	B C 5D
RA1615	B C 5E
RA1616	B C 5D
RA1617	A C 5D
RA1618	A C 5D
RA1619	A C 5C
RA1620	A C 5C
RA1621	B C 5C
RA1622	B C 6C
RA1623	B C 5D
RA1624	B C 5D
RA1625	A C 5C
RA1626	A C 4C
RA1627	A C 4C
RA1628	A C 5C
RA1629	A C 6D
RA1630	B C 6D
RA1631	B C 6D
RA1632	A C 6D
RA1801	B C 2B
RA1802	B C 2B
RA2201	B C 7E
RA2202	B C 6E
RA2203	B C 6E
RA2204	B C 6E
RA2205	B C 6E
RA2206	B C 5E
RA2207	B C 5E
RA2208	A C 6E
RA2209	A C 6E
RA2210	A C 6E
RA2211	A C 6E
OTHER	
K1001	B C 2F
K1002	B C 3F
K1003	B C 3F
K1004	B C 3F
K1005	B C 3F
K1006	B C 2F
K1007	B C 3F
K1008	B C 2F
K1009	B C 2F
K1010	B C 2F
K1011	A C 4E
K1012	A C 4E
K1013	A C 4E
K1014	A C 4E
K1015	A C 3E
K1016	A C 4E
K1017	A C 3E
K1018	A C 3E
K1019	A C 1E
K1020	A C 2D
K1201	A C 5C
K1401	A C 3D
K1402	A C 2D
K1403	A C 2E
K1404	B C 2E
K1405	A C 3C
K1406	A C 3C
K1407	A C 2E
K1408	A C 3D
K1701	A C 6B
K1702	A C 6B
K1801	B C 3A
K2201	A C 6F
K2202	A C 6F
K2203	A C 6F
K2204	A C 6F
K2205	A C 6F
K2206	A C 6F
K2207	A C 6F
K2208	A C 6F
K2209	A C 6F
K2210	A C 6F
K2211	A C 6F
K2212	A C 6F
K2213	A C 6F
K2214	A C 6F
K2215	A C 6F
K2216	A C 6F
K2217	A C 6F
K2218	A C 5F
K2219	A C 5F
K2220	A C 5F
K2221	A C 5F
S1401	B C 3A
T1801	A C 2B
TL1001	B C 5F
TL1002	B C 5F
TL1003	B C 5F
TL1005	B C 5F
TL1006	B C 5F
TL1009	B C 5F
TL1010	B C 5F
TL1011	B C 4F
TL1014	B C 4F
TL1018	B C 4F
TL1020	B C 4F
TL1031	B C 1D
TL1032	B C 1D
TL1033	B C 1D
TL1034	B C 1D
TL1035	B C 1D
TL1091	B C 1F
TL1092	B C 1E
TL1093	B C 1E
TL1097	B C 2E
TL1098	B C 2E
TL1099	B C 2E
TL1215	B C 3A
TL1216	B C 3A
TL1217	B C 4B
TL1402	A C 2E
TL1403	A C 3D
TL1404	A C 3E
TL1407	A C 2E
TL1412	A C 3E
TL1413	A C 2D
TL1414	A C 2D
TL1415	A C 2D
TL1417	A C 2D
TL1418	A C 2D
TL1419	A C 2D
TL1420	A C 2D
TL1422	B C 5C
TL1423	B C 5C
TL1424	B C 5C
TL1425	B C 5C
TL1429	B C 5E
TL1430	B C 4E
TL1431	B C 5E
TL1432	B C 4E
TL1433	B C 4E
TL1434	B C 4E
TL1435	B C 4E
TL1436	A C 4C
TL1437	A C 2D
TL1448	A C 4C
TL1449	A C 2C
TL1450	A C 1C
TL1451	A C 2C
TL1452	A C 2C
TL1453	A C 2C
TL1454	A C 2C
TL1455	A C 2C
TL1456	A C 2C
TL1457	A C 1C
TL1458	A C 2C
TL1459	A C 2C
TL1460	A C 1C
TL1461	A C 1C
TL1462	A C 2C
TL1463	A C 2C
TL1464	A C 2C
TL1485	A C 3C
TL1486	A C 3C
TL1487	A C 4C
TL1488	A C 4C
TL1489	B C 4E
TL1490	A C 3E
TL1491	A C 3E
TL1492	A C 5A
TL1493	A C 5A
TL1494	A C 6A
TL1495	A C 6A
TM1	A C 1F
TM2	A C 1F
TM3	A C 6A
TM4	A C 6A
TM5	A C 7F
TM6	A C 7F
TM7	A C 1A
TM8	A C 1A
X1401	A C 2E
X1801	B C 3B

JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.
www.jvcservice.com(US Only)

JVC CANADA INC.
Head office : 21 Finchdene Square Scarborough, Ontario M1X 1A7 (416)293-1311

No.XA019SCH

Printed in Japan
WPC

PARTS LIST

[DR-M10SUS, DR-M10SUC,DR-M10SUJ]

* All printed circuit boards and its assemblies are not available as service parts.
* (x_) in a description column shows the number of the used part.

Area Suffix

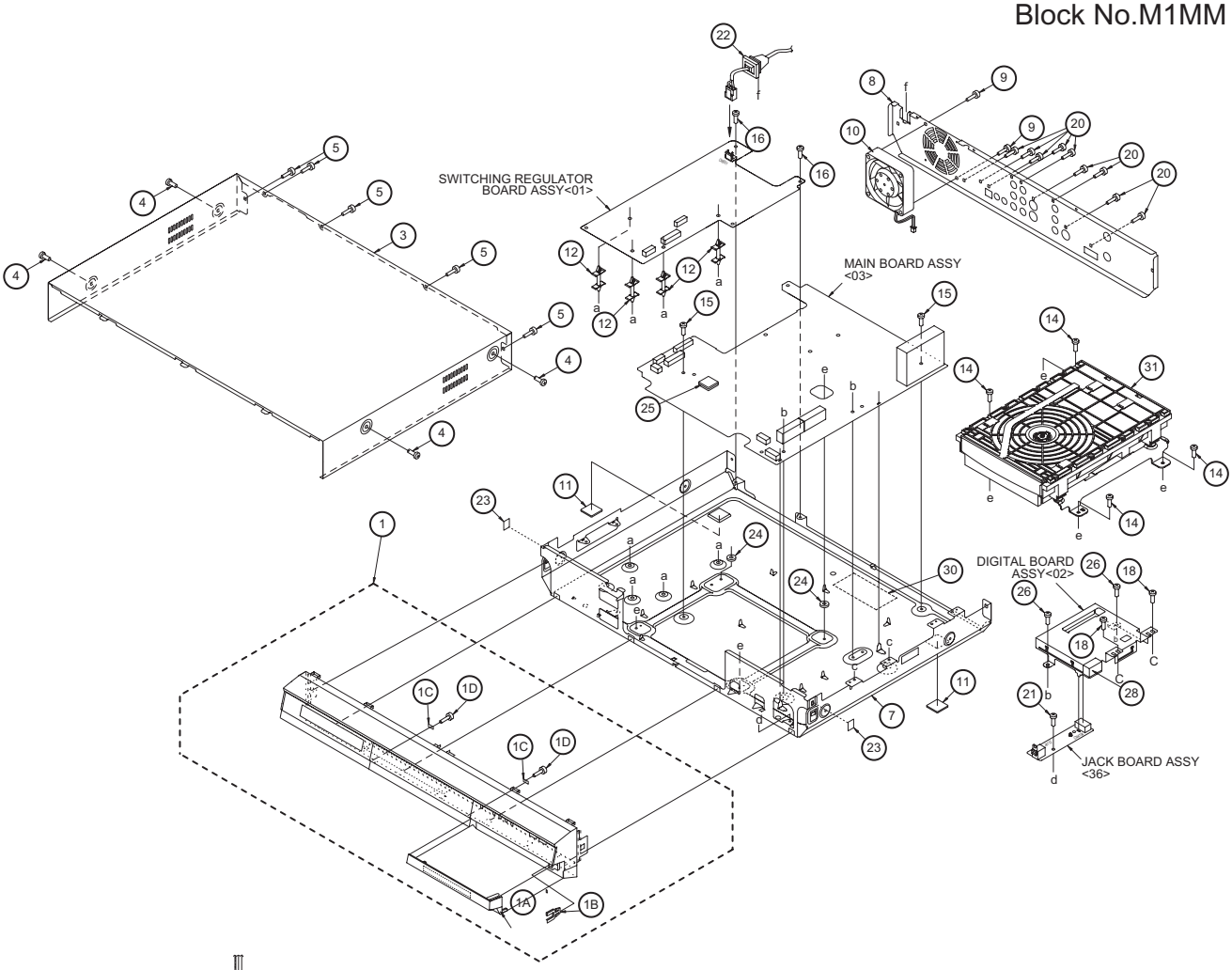
US ---------- U.S.A.
UC ---------- Canada
UJ ---------- U.S.A Militaly

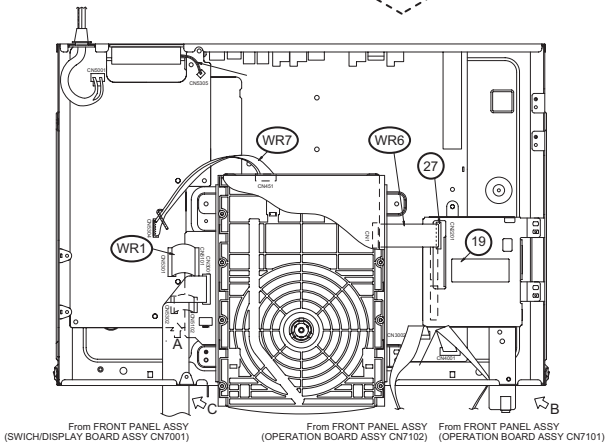
- Contents -

Exploded view of general assembly and parts list ---------- 3-2
DVD mechanism assembly and parts list ---------- 3-4
Electrical parts list ---------- 3-6
Packing materials and accessories parts list ---------- 3-16

Exploded view of general assembly and parts list

Block No.M1MM




From FRONT PANEL ASSY
(SWICH/DISPLAY BOARD ASSY CN7001)
From FRONT PANEL ASSY
(OPERATION BOARD ASSY CN7102)
From FRONT PANEL ASSY
(OPERATION BOARD ASSY CN7101)

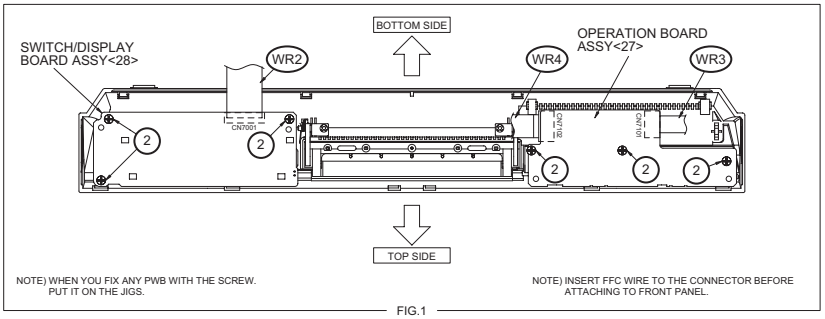


FIG.1

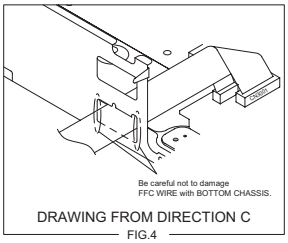


FIG.4

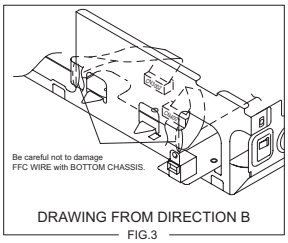


FIG.3

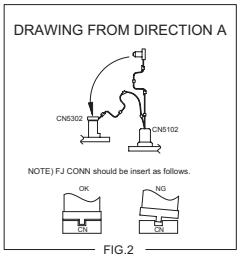


FIG.2

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

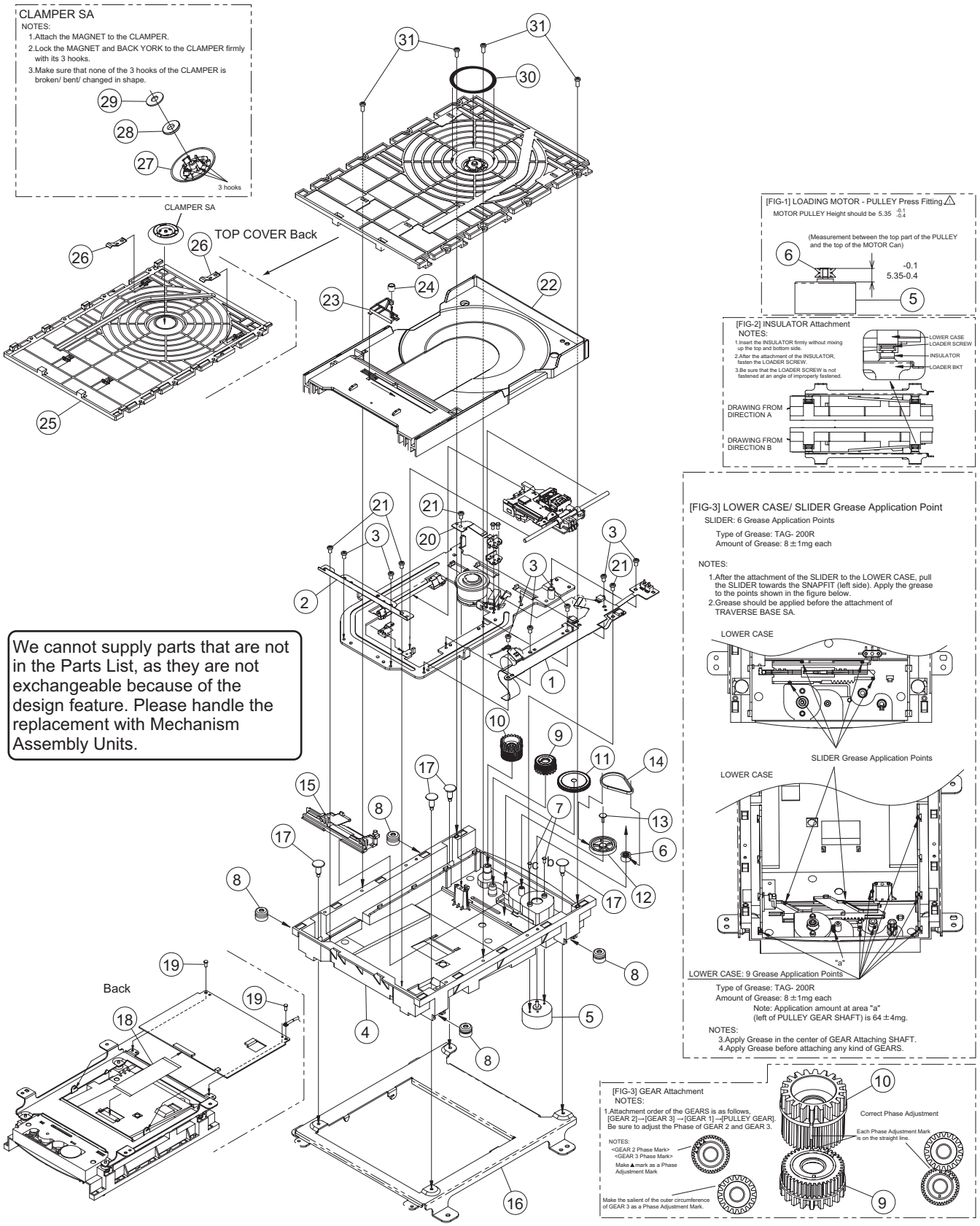
General assembly

Block No. [M][1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
⚠	1	LP10533-003A	FRONT PANEL ASSY		
	1A	LP21252-001A	DOOR		
	1B	PU60109	CATCHER		
	1C	LP31382-001A	STOPPER	(x2)	
	1D	QYTDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	2	QYTDSF2608ZA	TAP SCREW	M2.6 x 8mm(x6)	A,B
	2	QYTDSF2608Z	TAP SCREW	M2.6 x 8mm SW/DISP_OPERATION(x6)	C
⚠	3	LP21256-006A	METAL COVER	(SERVICE)	
	4	QYSBSG3006NA	TAP SCREW	M3 x 6mm TOP SIDE(x4)	
	5	QYSBSG3006NA	TAP SCREW	M3 x 6mm TOP REAR(x5)	
⚠	7	LP10538-002A	BOTTOM CHASSIS		
⚠	8	LP21257-022A	REAR PANEL		B
⚠	8	LP21257-009A	REAR PANEL		A,C
	9	QYTDSF3008MA	TAP SCREW	M3 x 8mm FAN MOTOR(x2)	
	10	QAR0310-001	FAN MOTOR		
	11	LP31348-002A	FOOT	(x2)	
	12	PEME0946-08	SPACER	(x4)	
	14	LP31391-001A	SPECIAL SCREW	DVD BRACKET(x4)	
	15	LP31391-001A	SPECIAL SCREW	MAIN(x2)	
	16	LP31391-001A	SPECIAL SCREW	SW.REG(x2)	
	18	QYSPSGG3006ZA	TAP SCREW	M3 x 6mm DIGITAL(x2)	
	19	LP31023-001A	BARCODE LABEL		
	20	QYSBSGY3008MA	TAP SCREW	REAR JACK(x9)	
	21	LP31391-001A	SPECIAL SCREW	JACK	
⚠	22	QMP4A10-170-K	POWER CORD	1.7m BLACK	B
⚠	22	QMPD190-170-K	POWER CORD	1.7m BLACK	A,C
	23	LP30002-0G3A	SPACER	(x2)	A,C
	24	LP41173-001A	SPACER	(x2)	A,C
	25	LP30002-0G5A	SPACER	(x2)	A,C
	26	LP31391-001A	SPECIAL SCREW	DIGITAL(x2)	
	27	QQR1439-003	FERRITE CORE		
	28	LP41163-001A	SHIELD PLATE		
	30	LP41162-001A	LABEL		A,C
	31	PMD0100A	DVD MECHANISM ASSY		
	WR1	QUQ112-1907CJ	FFC WIRE	SW.REG CN5301-MAIN CN5101	
	WR2	QUQ112-1818CJ	FFC WIRE	DISPLAY CN7001-MAIN CN3001	
	WR3	QUQ112-0912CG	FFC WIRE	OPERATION CN7101-MAIN CN3002	
	WR4	QUQ112-1112CG	FFC WIRE	OPERATIOM CN7102-MAIN CN4001	
	WR6	QUQ105-4010AH	FFC WIRE	DVD UNIT-DIGITAL CN2201	
	WR7	QJJ015-071612	WIRE	SW.REG CN5304-DVD UNIT	

DVD mechanism assembly and parts list

Block No.M2MM


CLAMPER SA
NOTES:
1.Attach the MAGNET to the CLAMPER.
2.Lock the MAGNET and BACK YORK to the CLAMPER firmly with its 3 hooks.
3.Make sure that none of the 3 hooks of the CLAMPER is broken/ bent/ changed in shape.
3 hooks
CLAMPER SA
TOP COVER Back
We cannot supply parts that are not in the Parts List, as they are not exchangeable because of the design feature. Please handle the replacement with Mechanism Assembly Units.
Back
[FIG-1] LOADING MOTOR - PULLEY Press Fitting
MOTOR PULLEY Height should be 5.35 -0.1 -0.4
(Measurement between the top part of the PULLEY and the top of the MOTOR Can)
-0.1
5.35-0.4
[FIG-2] INSULATOR Attachment
NOTES:
1.Insert the INSULATOR firmly without mixing up the top and bottom side.
2.After the attachment of the INSULATOR, fasten the LOADER SCREW.
3.Be sure that the LOADER SCREW is not fastened at an angle of improperly fastened.
LOWER CASE
LOADER SCREW
INSULATOR
LOADER BKT
DRAWING FROM DIRECTION A
DRAWING FROM DIRECTION B
[FIG-3] LOWER CASE/ SLIDER Grease Application Point
SLIDER: 6 Grease Application Points
Type of Grease: TAG- 200R
Amount of Grease: 8 ±1mg each
NOTES:
1.After the attachment of the SLIDER to the LOWER CASE, pull the SLIDER towards the SNAPFIT (left side). Apply the grease to the points shown in the figure below.
2.Grease should be applied before the attachment of TRAVERSE BASE SA.
LOWER CASE
SLIDER Grease Application Points
LOWER CASE
"a"
LOWER CASE: 9 Grease Application Points
Type of Grease: TAG- 200R
Amount of Grease: 8 ±1mg each
Note: Application amount at area "a" (left of PULLEY GEAR SHAFT) is 64 ±4mg.
NOTES:
3.Apply Grease in the center of GEAR Attaching SHAFT.
4.Apply Grease before attaching any kind of GEARS.
[FIG-3] GEAR Attachment
NOTES:
1.Attachment order of the GEARS is as follows, [GEAR 2]→[GEAR 3] →[GEAR 1] →[PULLEY GEAR]. Be sure to adjust the Phase of GEAR 2 and GEAR 3.
NOTES:
<GEAR 2 Phase Mark>
<GEAR 3 Phase Mark>
Make ▲mark as a Phase Adjustment Mark
Make the salient of the outer circumference of GEAR 3 as a Phase Adjustment Mark.
Correct Phase Adjustment
Each Phase Adjustment Mark is on the straight line.

DVD mechanism

Block No. [M][2][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
1	LP41080-001A	FPC ASSY		
2	LP41009-001A	BASE HOLDER		
3	QYSDSP2604ZA	SCREW	M2.6 x 4mm(x7)	
4	LP10466-001B	LOWER CASE		
5	QAR0296-001	LOADING MOTOR		
6	LP40998-001A	MOTOR PULLEY		
7	LP41117-001A	SCREW	(x2)	
8	LP31204-001A	INSULATOR	(x4)	
9	LP41001-001A	GEAR 2		
10	LP41002-001A	GEAR 3		
11	LP41000-001B	GEAR 1		
12	LP40999-001A	PULLEY GEAR		
13	LP41042-001A	SCREW		
14	LP41015-001A	BELT		
15	LP21146-001A	SLIDER		
16	LP21150-001A	LOADER BRAKET		
17	LP41019-001A	LOADER SCREW	(x4)	
18	LP41144-001A	FFC WIRE		
19	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm(x2)	
20	LP41008-001A	BASE SPRING		
21	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm(x4)	
22	LP10467-001C	TRAY		
23	LP31196-001A	SHUTTER GUIDE		
24	LP40997-001A	CRTG SLEEVE		
25	LP10465-001A	TOP COVER		
26	LP41007-001A	CRTG. SPRING	(x2)	
27	LP31195-001A	CLAMPER		
28	QQR1391-001	P.C.MAGNET		
29	LP41003-001A	BACK YOKE		
30	LP41157-001A	COVER SHEET		
31	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm(x4)	

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

Electrical parts list

Switching regulator board

Block No. [0][1]

⚠ Symbol No.		Part No.	Part Name	Description	Local
PW1		LPA10235-05A	SWITCHING REGULATOR BOARD ASSY		B
PW1		LPA10235-01B	SWITCHING REGULATOR BOARD ASSY		A,C
IC5101		STR-G6653-F9	IC		
IC5301		UTCTL431-T	IC		
IC5301	or	MM1431AT-T	IC		
IC5301	or	L5431-T	IC		
IC5301	or	TL431/A/-T	IC		
IC5302		PQ5EV3	IC		
IC5304		MM1565AF-X	IC	5.0V Regulator	
IC5305		MM1662GH-X	IC		
IC5306		MM1563EF-X	IC	3.4V Regulator	
IC5307		MM1561JF-X	IC	1.8V Regulator	
IC5308		MM1663DH-X	IC		
Q5301		DTA114EKA-X	DIGI TRANSISTOR		
Q5301	or	UN2111-X	TRANSISTOR		
Q5301	or	RT1P141C-X	DIGI TRANSISTOR		
Q5302		DTC114EKA-X	TRANSISTOR		
Q5302	or	UN2211-X	TRANSISTOR		
Q5302	or	RT1N141C-X	DIGI TRANSISTOR		
Q5303		DTA114EKA-X	DIGI TRANSISTOR		
Q5303	or	UN2111-X	TRANSISTOR		
Q5303	or	RT1P141C-X	DIGI TRANSISTOR		
Q5304		DTC114EKA-X	TRANSISTOR		
Q5304	or	UN2211-X	TRANSISTOR		
Q5304	or	RT1N141C-X	DIGI TRANSISTOR		
Q5305		2SD2144S/UV/-T	TRANSISTOR		
Q5305	or	2SC3576-JVC-T	TRANSISTOR		
Q5308		2SD1858/QR/-T	TRANSISTOR		
Q5310		2SD2144S/UV/-T	TRANSISTOR		
Q5310	or	2SC3576-JVC-T	TRANSISTOR		
Q5313		2SA1585S/QR/-T	TRANSISTOR		
Q5314		DTC114EKA-X	TRANSISTOR		
Q5314	or	UN2211-X	TRANSISTOR		
Q5314	or	RT1N141C-X	DIGI TRANSISTOR		
Q5315		2SA1585S/QR/-T	TRANSISTOR		
Q5316		2SA1585S/QR/-T	TRANSISTOR		B
Q5316		2SB1068/KU/-T	TRANSISTOR		A,C
Q5317		DTC114EKA-X	TRANSISTOR		
Q5317	or	UN2211-X	TRANSISTOR		
Q5317	or	RT1N141C-X	DIGI TRANSISTOR		
⚠ D5001		D3SBA60	DIODE		
⚠ D5001	or	GBJ4J	BRIDGE DIODE		
D5101		10ERB40-T2	FR DIODE		
D5101	or	AU01-T2	SI DIODE		
D5101	or	ERA18-04-T2	FR DIODE		
D5101	or	1SR153-400-T2	FR DIODE		
D5101	or	1F4G-T2	FR DIODE		
D5102		10ERB40-T2	FR DIODE		
D5102	or	AU01-T2	SI DIODE		
D5102	or	ERA18-04-T2	FR DIODE		
D5102	or	1SR153-400-T2	FR DIODE		
D5102	or	1F4G-T2	FR DIODE		
D5103		1F4G-T2	FR DIODE		
D5103	or	10ERB40-T2	FR DIODE		
D5103	or	ERA18-02-T2	FR DIODE		
D5103	or	AU01Z-T2	FR DIODE		
D5103	or	1SR153-400-T2	FR DIODE		
D5104		1SS133-T2	DIODE		
D5104	or	1SS270A-T2	SI DIODE		
D5105		10ERB40-T2	FR DIODE		
D5105	or	ERA18-02-T2	FR DIODE		
D5105	or	AU01Z-T2	FR DIODE		
D5105	or	1SR153-400-T2	FR DIODE		
D5105	or	1F4G-T2	FR DIODE		
D5106		10ERB40-T2	FR DIODE		
D5106	or	ERA18-02-T2	FR DIODE		
D5106	or	AU01Z-T2	FR DIODE		
D5106	or	1SR153-400-T2	FR DIODE		
D5106	or	1F4G-T2	FR DIODE		
D5201		10ERB40-T2	FR DIODE		
D5201	or	ERA18-02-T2	FR DIODE		
D5202		RK34-LFB2	SB DIODE		
D5203		RK34-LFB2	SB DIODE		
D5204		RK34-LFB2	SB DIODE		
D5205		RL2Z-LFB2	FRD		
D5206		1F4G-T2	FR DIODE		
D5206	or	10ERB40-T2	FR DIODE		
D5206	or	ERA18-02-T2	FR DIODE		
D5206	or	AU01Z-T2	FR DIODE		
D5206	or	1SR153-400-T2	FR DIODE		
D5207		1F4G-T2	FR DIODE		
D5207	or	10ERB40-T2	FR DIODE		
D5207	or	ERA18-02-T2	FR DIODE		
D5207	or	AU01Z-T2	FR DIODE		
D5207	or	1SR153-400-T2	FR DIODE		
D5208		RK34-LFB2	SB DIODE		
D5209		RK34-LFB2	SB DIODE		
D5210		RK34-LFB2	SB DIODE		
D5211		1F4G-T2	FR DIODE		
D5211	or	10ERB40-T2	FR DIODE		
D5211	or	ERA18-02-T2	FR DIODE		
D5211	or	AU01Z-T2	FR DIODE		
D5211	or	1SR153-400-T2	FR DIODE		
D5301		MTZJ15A-T2	Z DIODE		
D5301	or	RD15ES/B1/-T2	Z DIODE		
D5302		MTZJ12B-T2	Z DIODE		
D5302	or	RD12ES/B2/-T2	Z DIODE		
D5303		MTZJ11C-T2	Z DIODE		
D5303	or	RD11ES/B3/-T2	Z DIODE		
D5304		MTZJ5.6C-T2	Z DIODE		
D5304	or	RD5.6ES/B3/-T2	Z DIODE		
D5305		RL2Z-LFB2	FRD		
D5306		1SS133-T2	DIODE		
D5306	or	1SS270A-T2	SI DIODE		
D5307		MTZJ27C-T2	Z DIODE		
D5307	or	RD27ES/B3/-T2	Z DIODE		
D5308		RK34-LFB2	SB DIODE		
D5309		RK34-LFB2	SB DIODE		
D5310		RK34-LFB2	SB DIODE		
D5311		1S4-T2	SB DIODE		
D5311	or	AW04-T2	SB DIODE		
D5311	or	SBO40-T2	SB DIODE		
D5311	or	11EQS04-T2	SB DIODE		
D5312		1A3G-T2	SI DIODE		
D5312	or	10EDB20-T2	SI DIODE		
D5312	or	ERA15-02-T2	SI DIODE		
D5313		1S4-T2	SB DIODE		
D5313	or	AW04-T2	SB DIODE		
D5313	or	SBO40-T2	SB DIODE		
D5314		1SS133-T2	DIODE		
D5314	or	1SS270A-T2	SI DIODE		
D5315		1A3G-T2	SI DIODE		
D5315	or	10EDB20-T2	SI DIODE		
D5315	or	ERA15-02-T2	SI DIODE		
D5316		RL2Z-LFB2	FRD		B
D5317		RK34-LFB2	SB DIODE		
D5318		1A3G-T2	SI DIODE		
D5318	or	10EDB20-T2	SI DIODE		
D5318	or	ERA15-02-T2	SI DIODE		
D5319		RL2Z	FRD		A,C
⚠ PC5101		PC123Y22FZ	PHOTO COUPLER		
⚠ C5001		QFZ9073-683	MM CAPACITOR	0.068uF AC250V M	
⚠ C5002		QFZ9073-223	MM CAPACITOR	0.022uF AC250V M	
C5003		QEZ0374-107	E CAPACITOR	100uF 400V M	B
C5003		QEZ0639-337	E CAPACITOR	330uF 200V M	A,C
⚠ C5004		QCZ9079-222	C CAPACITOR	2200pF AC250V M	B
⚠ C5004		QCZ9079-472	C CAPACITOR	4700pF AC250V M	A,C
C5101		QCZ0339-101Z	C CAPACITOR	100pF 1kV K	
C5102		QCZ0349-472Z	C CAPACITOR	4700pF 1kV K	
C5103		QEMU1VM-276Z	E CAPACITOR	27uF 35V M	
C5104		QCZ0136-471Z	C CAPACITOR	470pF 1kV K	

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
C5105	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C5106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5107	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C5201	QEMX0JM-227Z	E CAPACITOR	220uF 6.3V M	
C5202	QEMT0JM-128	E CAPACITOR	1200uF 6.3V M	
C5203	QEMT1AM-228	E CAPACITOR	2200uF 10V M	
C5204	QEMT1CM-228	E CAPACITOR	2200uF 16V M	
C5205	QETN2AM-475Z	E CAPACITOR	4.7uF 100V M	
C5206	QEMU1HM-186Z	E CAPACITOR	18uF 50V M	
C5207	QEMT1AM-228	E CAPACITOR	2200uF 10V M	
C5208	QEMT1AM-228	E CAPACITOR	2200uF 10V M	
C5209	QEMT1CM-687	E CAPACITOR	680uF 16V M	
C5301	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C5302	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C5303	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5304	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5305	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5306	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5307	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5308	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5309	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5310	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5311	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5312	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C5316	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5317	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5318	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5319	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5320	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5321	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5322	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5323	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C5324	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5325	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5326	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5327	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5329	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5330	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5331	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5332	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
⚠ R5001	QRZ9046-475Z	C RESISTOR	4.7MΩ 1/2W K	A,C
R5101	QRG02GJ-683	OMF RESISTOR	68kΩ 2W J	
R5102	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R5103	QRG02GJ-683	OMF RESISTOR	68kΩ 2W J	
R5104	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5105	QRE141J-680Y	C RESISTOR	68Ω 1/4W J	
R5106	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5107	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R5108	QRT01DJ-R33X	MF RESISTOR	0.33Ω 1W J	
R5301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R5302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5303	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R5304	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R5305	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R5306	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R5307	QRL02DJ-391X	OMF RESISTOR	390Ω 2W J	
R5308	QRL02DJ-391X	OMF RESISTOR	390Ω 2W J	
R5310	QRE141J-8R2Y	C RESISTOR	8.2Ω 1/4W J	
⚠ R5314	QRZ9051-470X	FUSI RESISTOR	47Ω 1/4W J	
R5317	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5318	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5319	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R5320	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R5321	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5323	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R5324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5327	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R5328	QRE141J-821Y	C RESISTOR	820Ω 1/4W J	
R5329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5330	NRSA02J-271X	MG RESISTOR	270Ω 1/10W J	
R5331	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R5332	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R5333	QRE123J-101X	C RESISTOR	100Ω 1/2W J	
R5334	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5335	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5336	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5337	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
L5201	PELN1184	CHOKE COIL		
L5202	PELN1184	CHOKE COIL		
L5203	PELN1184	CHOKE COIL		
L5204	PELN1184	CHOKE COIL		
L5205	PELN1184	CHOKE COIL		
L5206	PELN1184	CHOKE COIL		
⚠ T5001	QQS0263-001	SW TRANSF		
B5504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
⚠ CN5001	QGA7901C3-02	CONNECTOR	W-B (1-2)	
CN5301	QGF1207C1-19	CONNECTOR	FFC/FPC (1-19)	
CN5302	QGB1231L1-09	CONNECTOR	B-B (1-9)	
CN5304	QGA2001C1-07	CONNECTOR	W-B (1-7)	
CN5305	QGA2001C1-02	CONNECTOR	W-B (1-2)	
⚠ CP5301	QMFZ050-1R5X-E	FUSE	1.5A 125V	
⚠ F5001	QMF51E2-1R6-J1	FUSE	1.6A AC250V	B
⚠ F5001	QMF51N2-1R6-J1	FUSE	1.6A AC250V	A,C
FC5001	QNG0020-001Z	FUSE CLIP		
FC5002	QNG0020-001Z	FUSE CLIP		
HS1	PEME0889-01-01	HEAT SINK	IC5101	
K5102	QQR0678-001Z	FERRITE BEADS		
⚠ LF5002	QQR0908-001	LINE FILTER		
OT1	QYTDST3008Z	TAP SCREW	M3 x 8mm IC5101	
OT2	LP31414-001A	PROTECT SHEET		B
ST1	PU59391	STYLE PIN		
⚠ VA5001	QAF0039-431Z	VARISTOR	430V	A,C

Digital board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10236-01C	DIGITAL BOARD ASSY		B
PW1	LPA10236-01B	DIGITAL BOARD ASSY		A,C
IC1001	JCP8059	IC		
IC1002	HY57V161610DTC7	IC		
IC1002 or	K4S161622H-TC80	IC		
IC1002 or	MT48LC1M16A1TG8	IC		
IC1002 or	HY57V161610DTC8	IC		
IC1002 or	MT48LC1M16TG-7S	IC		
IC1201	MBPL65LMDRM10US	IC	(SERVICE)	
IC1202	SN74LVC373APW-X	IC(DIGITAL)		
IC1203	SN74LVC373APW-X	IC(DIGITAL)		
IC1401	DMN8652-B0	IC(DIGITAL)		
IC1404	SN74HCT08APW-X	IC		
IC1405	SN74LV08APW-X	IC		
IC1601	HY5DU561622CT-J	IC		
IC1602	HY5DU561622CT-J	IC		
IC1701	PQ015YZ01Z-X	IC		
IC1801	TSB41AB2PAP	IC		
Q1001	UN221E-X	TRANSTSTOR		
Q1001 or	DTC144WKA-X	DIGI TRANSISTOR		
Q1001 or	RT1N44HC-X	DIGI TRANSISTOR		
Q1002	2SA1037AK/QR/-X	TRANSISTOR		
Q1002 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1002 or	2SB709A/QR/-X	TRANSISTOR		
Q1003	2SA1037AK/QR/-X	TRANSISTOR		
Q1003 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1003 or	2SB709A/QR/-X	TRANSISTOR		
Q1004	2SA1037AK/QR/-X	TRANSISTOR		
Q1004 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1004 or	2SB709A/QR/-X	TRANSISTOR		
Q1005	2SA1037AK/QR/-X	TRANSISTOR		
Q1005 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1005 or	2SB709A/QR/-X	TRANSISTOR		
Q1008	UMZ1N-W	PAIR TRANSISTOR		
Q1008 or	BC847PN-X	PAIR TRANSISTOR		
Q1008 or	BC846PN-X	PAIR TRANSISTOR		
Q1009	2SC2412K/QRS/-X	TRANSISTOR		
Q1009 or	2SC3928A/QRS/-X	TRANSISTOR		
Q1009 or	2SD601A/QRS/-X	TRANSISTOR		

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q1010	2SC2412K/QRS/-X	TRANSISTOR		
Q1010 or	2SC3928A/QRS/-X	TRANSISTOR		
Q1010 or	2SD601A/QRS/-X	TRANSISTOR		
Q1011	2SC2412K/QRS/-X	TRANSISTOR		
Q1011 or	2SC3928A/QRS/-X	TRANSISTOR		
Q1011 or	2SD601A/QRS/-X	TRANSISTOR		
D1001	1SS355-X	SI DIODE		
D1001 or	MA111-X	SI DIODE		
D1002	1SS355-X	SI DIODE		
D1002 or	MA111-X	SI DIODE		
D1401	1SS355-X	SI DIODE		
D1401 or	MA111-X	SI DIODE		
D1402	1SS355-X	SI DIODE		
D1402 or	MA111-X	SI DIODE		
D1403	1SS355-X	SI DIODE		
D1403 or	MA111-X	SI DIODE		
C1001	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1002	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1007	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1017	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1020	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1030	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1034	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1035	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1036	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1038	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1041	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1043	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1046	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1047	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1051	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1065	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C1077	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1089	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1090	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1091	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1092	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1093	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1094	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1095	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1096	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1097	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1098	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1204	NEH90JM-476X	E CAPACITOR	47uF 6.3V M	
C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1404	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	B

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1404	NEHS0JM-107X	E CAPACITOR	100uF 6.3V M	A,C
C1405	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1406	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1407	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1408	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1409	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1411	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	B
C1411	NEHS0JM-107X	E CAPACITOR	100uF 6.3V M	A,C
C1412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1413	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	B
C1413	NEHS0JM-107X	E CAPACITOR	100uF 6.3V M	A,C
C1414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1416	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1420	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1423	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1424	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1426	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1427	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1432	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1433	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1435	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1437	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1440	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1441	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1442	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1443	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1444	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1445	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1446	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1447	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1448	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1449	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1450	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1453	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1455	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1457	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1458	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1601	NBAD0GM-227X	OS E CAPACITOR	220uF 2.5V M	
C1602	NBAD0GM-227X	OS E CAPACITOR	220uF 2.5V M	
C1605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1606	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1607	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1613	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1638	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1640	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1646	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1650	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1652	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1702	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	B
C1702	NEHS0JM-107X	E CAPACITOR	100uF 6.3V M	A,C
C1703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1704	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	B
C1704	NEHS0JM-107X	E CAPACITOR	100uF 6.3V M	A,C
C1706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1707	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1708	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1710	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1801	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1802	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1803	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1805	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1806	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1807	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1808	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1809	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1811	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R1001	NRSA63D-221X	MG RESISTOR	220Ω 1/16W D	
R1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1013	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1014	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1021	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R1022	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R1024	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R1027	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1028	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1029	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1030	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1031	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1032	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1033	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1034	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1037	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1040	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1042	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1043	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R1044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1045	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1046	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1047	NRSA63D-221X	MG RESISTOR	220Ω 1/16W D	
R1050	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1054	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R1056	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1057	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1059	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1061	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1065	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1067	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R1068	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1069	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1070	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R1071	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R1072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1217	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1218	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1223	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1224	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1227	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1228	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1229	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1401	NRSA63F-1181X	MG RESISTOR	1.18kΩ 1/16W F	
R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1408	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1411	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1415	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1416	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1417	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1427	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1428	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1429	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1431	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1434	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1435	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1436	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1437	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1438	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1439	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1440	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1441	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1443	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1444	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1448	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1449	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1450	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1452	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1453	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1458	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1459	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1460	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1462	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1465	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1466	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1467	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1468	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1469	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1470	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1471	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1472	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1473	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1474	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1475	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1476	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1477	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1478	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1479	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1480	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1481	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1482	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1491	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1493	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1496	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1497	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1498	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1601	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1602	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1603	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1604	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1605	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R1606	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R1607	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R1608	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R1613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1617	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1618	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1620	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1621	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1622	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1623	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1624	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1625	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1626	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1627	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1628	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1642	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1644	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R1649	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1650	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1654	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1655	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1657	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1658	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1659	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1660	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R1701	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1703	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1704	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1803	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1805	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1807	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1809	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1810	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R1812	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1813	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1814	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1815	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1816	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1817	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R1818	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	
R1819	NRSA63D-751X	MG RESISTOR	750Ω 1/16W D	
R1820	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1821	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2202	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2203	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2204	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2205	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2206	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2207	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2208	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2209	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2210	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R2211	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2212	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2214	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2215	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
RA1001	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J	
RA1002	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J	
RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1005	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1006	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1201	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1202	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1203	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1204	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1401	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1402	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1403	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1404	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1405	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	
RA1406	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	
RA1407	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	
RA1408	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	
RA1409	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	
RA1410	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	
RA1411	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	
RA1601	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1602	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1603	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1604	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1605	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1606	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1607	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1608	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1609	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA1610	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA1611	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA1612	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA1613	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA1614	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA1615	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA1616	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA1617	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1618	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1619	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1620	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1621	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1622	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1623	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1624	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J	
RA1625	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J	
RA1626	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J	
RA1627	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J	
RA1628	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J	
RA1629	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA1630	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA1631	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA1632	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA1801	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1802	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA2201	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J	
RA2202	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J	
RA2203	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J	
RA2204	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J	
RA2205	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J	
RA2206	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J	
RA2207	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J	
RA2208	NRZ0040-330X	NET RESISTOR	33Ω 1/16W J x4	
RA2209	NRZ0040-330X	NET RESISTOR	33Ω 1/16W J x4	
RA2210	NRZ0040-330X	NET RESISTOR	33Ω 1/16W J x4	
RA2211	NRZ0040-330X	NET RESISTOR	33Ω 1/16W J x4	
L1004	NQL144K-100X	P COIL	0.30Ω 10uH K	

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
L1801	NQL144K-100X	P COIL	0.30Ω 10uH K	
T1801	NQR0444-001X	CHOKE COIL		
B1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
B1007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
B1008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
B1204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B1208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B1802	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
CN1001	QGB2027L6-28X	CONNECTOR	B-B (1-28)	
CN1002	QGB2027L6-28X	CONNECTOR	B-B (1-28)	
CN1402	QGA2001C2-04V	CONNECTOR	W-B (1-4)	
CN1403	QGF1016C2-04W	CONNECTOR	FFC/FPC (1-4)	
CN1801	QGB2027L1-10X	CONNECTOR	B-B (1-10)	
CN2201	QGF0539C1-40W	CONNECTOR	FFC/FPC (1-40)	
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1003	NQR0129-002X	FERRITE BEADS		
K1004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1005	NQR0129-002X	FERRITE BEADS		
K1006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1010	NQR0129-002X	FERRITE BEADS		
K1011	NQR0129-002X	FERRITE BEADS		
K1012	NQR0129-002X	FERRITE BEADS		
K1013	NQR0129-002X	FERRITE BEADS		
K1014	NQR0129-002X	FERRITE BEADS		
K1015	NQR0129-002X	FERRITE BEADS		
K1016	NQR0129-002X	FERRITE BEADS		
K1017	NQR0129-002X	FERRITE BEADS		
K1018	NQR0129-002X	FERRITE BEADS		
K1019	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1020	NQR0129-002X	FERRITE BEADS		
K1201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1402	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1403	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1404	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1406	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1407	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1408	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1701	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1702	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2201	NQR0129-002X	FERRITE BEADS		
K2202	NQR0129-002X	FERRITE BEADS		
K2203	NQR0129-002X	FERRITE BEADS		
K2204	NQR0129-002X	FERRITE BEADS		
K2205	NQR0129-002X	FERRITE BEADS		
K2206	NQR0129-002X	FERRITE BEADS		
K2207	NQR0129-002X	FERRITE BEADS		
K2208	NQR0129-002X	FERRITE BEADS		
K2209	NQR0129-002X	FERRITE BEADS		
K2210	NQR0129-002X	FERRITE BEADS		
K2211	NQR0129-002X	FERRITE BEADS		
K2212	NQR0129-002X	FERRITE BEADS		
K2213	NQR0129-002X	FERRITE BEADS		
K2214	NQR0129-002X	FERRITE BEADS		
K2215	NQR0129-002X	FERRITE BEADS		
K2216	NQR0129-002X	FERRITE BEADS		
K2217	NQR0129-002X	FERRITE BEADS		
K2218	NQR0129-002X	FERRITE BEADS		
K2219	NQR0129-002X	FERRITE BEADS		
K2220	NQR0129-002X	FERRITE BEADS		
K2221	NQR0129-002X	FERRITE BEADS		
LC1401	NQR0415-002X	EMI FILTER	1uF 16V Z	
LC1402	NQR0415-002X	EMI FILTER	1uF 16V Z	
LC1403	NQR0415-002X	EMI FILTER	1uF 16V Z	
OT1	LC41656-001A	COOLING SHEET	IC1401	
SD1	LP21258-001A	SHIELD CASE		
X1401	NAX0580-001X	CXO	27.0000MHz	
X1801	NAX0666-001X	CRYSTAL	24.576000MHz	

Main board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10230-07A1	MAIN BOARD ASSY		B
PW1	LPA10230-01B1	MAIN BOARD ASSY		A,C
IC3001	HD6432194SXD43F	IC(MCU)	MASK	
IC3002	IC-PST3427U-X	IC		
IC3004	LPN0863-001B-11	IC(EEPROM)	(SERVICE)	
IC4001	JCP8038-I	IC		
IC4001 or	JCP8038	IC		
IC4003	MM1503XN-X	IC		
IC4101	MM1623XF-X	IC		
IC6501	AN5832SA-W	IC		
IC8001	AK5365VQ	IC		
IC8201	AK4385VT-X	IC		
IC8201 or	AK4381VT-X	IC		
IC8202	BA15218F-XE	IC		
IC8501	SN74LV08APW-X	IC		
Q3004	2SD601A/QRS/-X	TRANSISTOR		
Q3004 or	2SC2412K/QRS/-X	TRANSISTOR		
Q3004 or	2SC3928A/QRS/-X	TRANSISTOR		
Q3009	UN221E-X	TRANSTSTOR		
Q3009 or	DTC144WKA-X	DIGI TRANSISTOR		
Q3009 or	RT1N44HC-X	DIGI TRANSISTOR		
Q3010	UN221E-X	TRANSTSTOR		
Q3010 or	DTC144WKA-X	DIGI TRANSISTOR		
Q3010 or	RT1N44HC-X	DIGI TRANSISTOR		
Q3901	UN221E-X	TRANSTSTOR		
Q3901 or	DTC144WKA-X	DIGI TRANSISTOR		
Q3901 or	RT1N44HC-X	DIGI TRANSISTOR		
Q4001	2SA1037AK/QR/-X	TRANSISTOR		
Q4001 or	2SA1530A/QR/-X	TRANSISTOR		
Q4001 or	2SB709A/QR/-X	TRANSISTOR		
Q4003	2SC2412K/QRS/-X	TRANSISTOR		
Q4003 or	2SC3928A/QRS/-X	TRANSISTOR		
Q4003 or	2SD601A/QRS/-X	TRANSISTOR		
Q4004	2SA1037AK/QR/-X	TRANSISTOR		
Q4004 or	2SA1530A/QR/-X	TRANSISTOR		
Q4004 or	2SB709A/QR/-X	TRANSISTOR		
Q4006	2SC2412K/QRS/-X	TRANSISTOR		
Q4006 or	2SC3928A/QRS/-X	TRANSISTOR		
Q4101	2SB709A/QR/-X	TRANSISTOR		
Q4101 or	2SA1037AK/QR/-X	TRANSISTOR		
Q4101 or	2SA1530A/QR/-X	TRANSISTOR		
Q6030	2SA1037AK/QR/-X	TRANSISTOR		
Q6030 or	2SB709A/QR/-X	TRANSISTOR		
Q6030 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q7201	2SC1317/RS/-T	TRANSISTOR		
Q8203	2SC2412K/QRS/-X	TRANSISTOR		
Q8203 or	2SD601A/QRS/-X	TRANSISTOR		
Q8203 or	2SC3928A/QRS/-X	TRANSISTOR		
Q8205	2SC2412K/QRS/-X	TRANSISTOR		
Q8205 or	2SD601A/QRS/-X	TRANSISTOR		
Q8205 or	2SC3928A/QRS/-X	TRANSISTOR		
Q8207	UN221E-X	TRANSTSTOR		
Q8207 or	DTC144WKA-X	DIGI TRANSISTOR		
Q8207 or	RT1N44HC-X	DIGI TRANSISTOR		
Q8208	UN211E-X	DIGI TRANSISTOR		
Q8208 or	DTA144WKA-X	TRANSISTOR		
Q8208 or	RT1P44HC-X	DIGI TRANSISTOR		
D3002	1SS133-T2	DIODE		
D3002 or	1SS270A-T2	SI DIODE		
D3003	RD39ES/B3/-T2	Z DIODE		
D3003 or	MTZJ39C-T2	Z DIODE		
D3004	10EDB20-T2	SI DIODE		
D3004 or	1A3G-T2	SI DIODE		
D3005	10EDB20-T2	SI DIODE		
D3005 or	1A3G-T2	SI DIODE		
D3007	1SS355-X	SI DIODE		
D3007 or	MA111-X	SI DIODE		
D4001	DA204U-X	SI DIODE		
D4002	DA204U-X	SI DIODE		
D6002	HZ30-2L-T2	Z DIODE		
D6002 or	HZ30-2LTD	Z DIODE		

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
D7042	1SS133-T2	DIODE		C
D7042 or	1SS270A-T2	SI DIODE		C
D7043	SDPB3DC0	LED		C
D8001	1SS355-X	SI DIODE		
D8001 or	MA111-X	SI DIODE		
C3007	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3010	QEZ0244-229	EDL CAPACITOR	0.022F 5.5V Z	
C3014	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3022	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3024	NDC31HJ-220X	C CAPACITOR	22pF 50V J	B
C3024	NDC31HJ-120X	C CAPACITOR	12pF 50V J	A,C
C3025	QAT3725-300Z	TRIM CAPACITOR	30pF TIMER CLOCK	B
C3027	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C3030	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3036	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3037	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C3038	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3041	NDC31HJ-180X	C CAPACITOR	18pF 50V J	A,C
C3042	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3050	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3051	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3054	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4001	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4003	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4005	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4006	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4008	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4010	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4012	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4013	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4015	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4016	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4018	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4019	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4021	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4022	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4023	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4024	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4025	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4026	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4027	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4028	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C4029	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4030	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4033	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4034	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4035	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4036	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4037	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4039	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4040	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4041	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4043	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C4045	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C4046	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4047	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4049	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C4050	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C4055	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C4056	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4058	QEKJ1HM-474Z	E CAPACITOR	0.47uF 50V M	
C4059	QEKJ1HM-474Z	E CAPACITOR	0.47uF 50V M	
C4061	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4065	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4067	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C4068	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C4069	NDC31HJ-821X	C CAPACITOR	820pF 50V J	
C4070	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C4071	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4072	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4077	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4084	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C4085	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C4087	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C4089	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C4091	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C4101	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4102	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4103	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4104	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C4105	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4106	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4107	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4108	QETN0JM-227Z	E CAPACITOR	220uF 6.3V M	
C4109	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4115	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4116	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C4117	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4118	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C4119	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C4120	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4121	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4123	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C4124	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C6501	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C6502	QEKJ1HM-334Z	E CAPACITOR	0.33uF 50V M	
C6503	QEKJ1HM-335Z	E CAPACITOR	3.3uF 50V M	
C6504	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6506	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C6507	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6508	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C6509	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6510	QEKJ1HM-334Z	E CAPACITOR	0.33uF 50V M	
C6511	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6512	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C6514	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6515	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6516	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6519	QETJ1EM-476Z	E CAPACITOR	47uF 25V M	
C6520	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6521	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C6522	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C6523	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C7202	QETJ0JM-477Z	E CAPACITOR	470uF 6.3V M	
C8005	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8007	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8008	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8009	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8010	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8011	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8012	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8014	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8021	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8022	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8023	QERF0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8025	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8027	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8028	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8202	QETJ0JM-477Z	E CAPACITOR	470uF 6.3V M	
C8203	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8204	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8205	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8206	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8207	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8208	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8210	QETJ1CM-227Z	E CAPACITOR	220uF 16V M	
C8211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8212	QETJ1CM-227Z	E CAPACITOR	220uF 16V M	
C8215	QETJ1EM-476Z	E CAPACITOR	47uF 25V M	
C8217	QETJ1EM-476Z	E CAPACITOR	47uF 25V M	
C8401	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
C8501	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C8502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8504	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C8505	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C8506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R3017	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	B
R3028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	A,C
R3029	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3032	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3038	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3040	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3042	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3044	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3046	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3047	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3048	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3050	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3055	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3059	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3060	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3061	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3066	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3069	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3071	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3075	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3076	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3085	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3086	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3089	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3090	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3213	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R3214	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R3218	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3219	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3220	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3223	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3224	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3229	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3231	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3233	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3235	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3236	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3237	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3239	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3240	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3251	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3256	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3257	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3258	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3260	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4010	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R4011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R4017	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4018	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R4021	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4026	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4027	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R4028	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R4029	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4030	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R4031	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R4033	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4034	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4035	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R4044	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4045	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R4046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4047	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4048	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R4049	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4050	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4053	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4054	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4056	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4057	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4058	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4059	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4060	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4101	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4102	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4120	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R4121	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R4122	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R4124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4125	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4138	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R4139	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R4140	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R6020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6030	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6503	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6504	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6508	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R6509	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6510	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6511	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6512	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7202	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7203	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7204	QRE121J-100Y	C RESISTOR	10Ω 1/2W J	
R7205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7211	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8001	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R8002	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R8007	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8014	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8016	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8017	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R8019	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8020	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8021	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8022	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8023	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8024	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R8026	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R8031	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
R8032	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R8033	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8034	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8035	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8036	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8040	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R8041	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R8042	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R8043	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R8044	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R8045	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R8046	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R8047	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R8201	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8202	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8203	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8204	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R8206	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8211	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8212	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8213	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8214	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8215	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8216	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8217	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8218	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R8219	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8220	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8221	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8222	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R8223	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8224	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8233	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8234	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8241	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8242	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8244	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8249	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R8250	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R8252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8501	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R8502	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8503	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8504	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R8505	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8506	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
L3001	QQL231J-R22Y	COIL	0.40Ω 0.22uH J	
L4001	QQL29BJ-100Z	P COIL	0.40Ω 10uH J	
L4002	QQL29BJ-100Z	P COIL	0.40Ω 10uH J	
L4006	QQL29BJ-100Z	P COIL	0.40Ω 10uH J	
L4007	QQL231J-8R2Y	COIL	2.20Ω 8.2uH J	
L4008	QQL01BJ-120Z	P COIL	0.90Ω 12uH J	
L4101	QQL29BJ-100Z	P COIL	0.40Ω 10uH J	
L4102	QQL071J-6R8Y	COIL	1.20Ω 6.8uH J	
L7201	QQL29BJ-100Z	P COIL	0.40Ω 10uH J	
L8501	QQL071J-1R0Y	COIL	0.46Ω 1uH J	
B3962	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B3966	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B3971	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4115	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B6021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B6024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B6608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN3001	QGF1207C1-18	CONNECTOR	FFC/FPC (1-18)	
CN3002	QGF1207C1-09	CONNECTOR	FFC/FPC (1-9)	
CN3901	QGF1207C1-06	CONNECTOR	FFC/FPC (1-6)	
CN4001	QGF1207C1-11	CONNECTOR	FFC/FPC (1-11)	
CN4101	QGB2027M5-28S	CONNECTOR	B-B (1-28)	
CN4102	QGB2027M5-28S	CONNECTOR	B-B (1-28)	
CN5101	QGF1207C1-19	CONNECTOR	FFC/FPC (1-19)	
CN5102	QGB1231M1-09	CONNECTOR	B-B (1-9)	
GN5	QNZ0136-001Z	EARTH PLATE		
J4002	QNN0636-001	PIN JACK	VIDEO/AUDIO INPUT L-1	
J4003	QNN0636-001	PIN JACK	VIDEO/AUDIO INPUT L-2	
J4101	QND0094-001	S JACK	S-VIDEO INPUT L-1/L-2	
J4102	QND0076-001	S JACK	S-VIDEO OUTPUT	
J4103	QNN0635-001	PIN JACK	VIDEO/AUDIO OUTPUT	
J4105	QNN0635-002	PIN JACK	COMPONENT OUTPUT	
J7201	PU60612	MINI JACK	CABLE BOX	
J7202	PU60612	MINI JACK	AV COMPULINK	
J8401	GP1FA513TZ0F	OPT TRANSMITTER	OPTICAL	
J8501	QNN0096-001	PIN JACK	COAXIAL	
K8201	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
K8501	NQR0227-004X	FERRITE BEADS		
ST1	PU59391	STYLE PIN		
TU6001	QAU0336-001	TUNER		
W1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W2	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W3	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W4	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W5	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W6	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W7	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W8	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W10	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W11	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W12	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W13	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W14	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W15	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W16	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W17	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W18	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W19	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W22	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W23	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W24	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W25	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W26	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W27	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W28	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W29	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X3001	QAX0445-001	CRYSTAL	32.768kHz	B
X3001	QAX0444-001	CRYSTAL	32.768kHz	A,C
X3002	QAX0527-001	CRYSTAL	10.000000MHz	

Operation board

Block No. [2][7]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10230-01C3	OPERATION BOARD ASSY		A,B
PW1	LPA10230-01B3	OPERATION BOARD ASSY		C
D7112	1SS133-T2	DIODE		
D7112	or 1SS270A-T2	SI DIODE		
D7113	1SS133-T2	DIODE		
D7113	or 1SS270A-T2	SI DIODE		
D7114	1SS133-T2	DIODE		
D7114	or 1SS270A-T2	SI DIODE		
D7115	1SS133-T2	DIODE		
D7115	or 1SS270A-T2	SI DIODE		
C7150	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7151	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7153	NCB31HK-681X	C CAPACITOR	680pF 50V K	
R7151	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7152	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7153	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN7101	QGF1208F1-09	CONNECTOR	FFC/FPC (1-9)	
CN7102	QGF1208F1-11	CONNECTOR	FFC/FPC (1-11)	
J7001	QND0084-001	S JACK	S-VIDEO INPUT F-1	
J7002	QNN0364-002	PIN JACK	VIDEO/AUDIO INPUT F-1	
OT1	LP30002-0G7A	SPACER		A,B
S7113	QSW0381-001Z	TACT SWITCH	RECORD	
S7114	QSW0381-001Z	TACT SWITCH	REC_MODE	
S7115	QSW0381-001Z	TACT SWITCH	PAUSE	
S7132	QSW0381-001Z	TACT SWITCH	OPEN/CLOSE	
S7134	QSW0381-001Z	TACT SWITCH	STOP	
S7135	QSW0381-001Z	TACT SWITCH	PLAY	

Swich display board

Block No. [2][8]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10230-01C2	SWITCH/DISPLAY BOARD ASSY		B
PW1	LPA10230-01B2	SWITCH/DISPLAY BOARD ASSY		A,C
IC7001	UPD16315GB-3BS	IC		
IC7001 or	PT6315	IC		
IC7002	GP1UM281XK	IR DETECT UNIT 38kHz		
IC7002 or	PNA4652M00XB	IR DETECT UNIT 38kHz		
Q7001	2SC1740S/QRS/-T	TRANSISTOR		
Q7001 or	2SC3199/YG/-T	TRANSISTOR		
Q7001 or	KTC3199/YG/-T	TRANSISTOR		
D7001	1SS133-T2	DIODE		
D7001 or	1SS270A-T2	SI DIODE		
D7021	RD9.1ES/B2/-T2	Z DIODE		
D7021 or	MTZJ9.1B-T2	Z DIODE		
D7042	1SS133-T2	DIODE		A,B
D7042 or	1SS270A-T2	SI DIODE		A,B
D7043	SDPB3DC0	LED	BLUE	A
D7043	SDPB3DC0/Z1/	LED	BLUE	B
C7001	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7002	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7003	QEKJ1HM-106Z	E CAPACITOR	10uF 50V M	
C7006	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C7007	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7008	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C7010	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
C7011	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
C7056	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
R7001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7002	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7003	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7005	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7006	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7009	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7013	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7014	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7015	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7044	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	B
R7044	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	A,C
R7045	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	B
R7045	QRE141J-270Y	C RESISTOR	27Ω 1/4W J	A,C
R7047	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
CN7001	QGF1207C1-18	CONNECTOR	FFC/FPC (1-18)	
DI7001	QLF0124-001	FL TUBE		
HD1	PQ34949-1-1	FDP HOLDER(L)		
HD2	LP21255-001A	FDP HOLDER(R)		
S7001	QSW0381-001Z	TACT SWITCH	POWER	

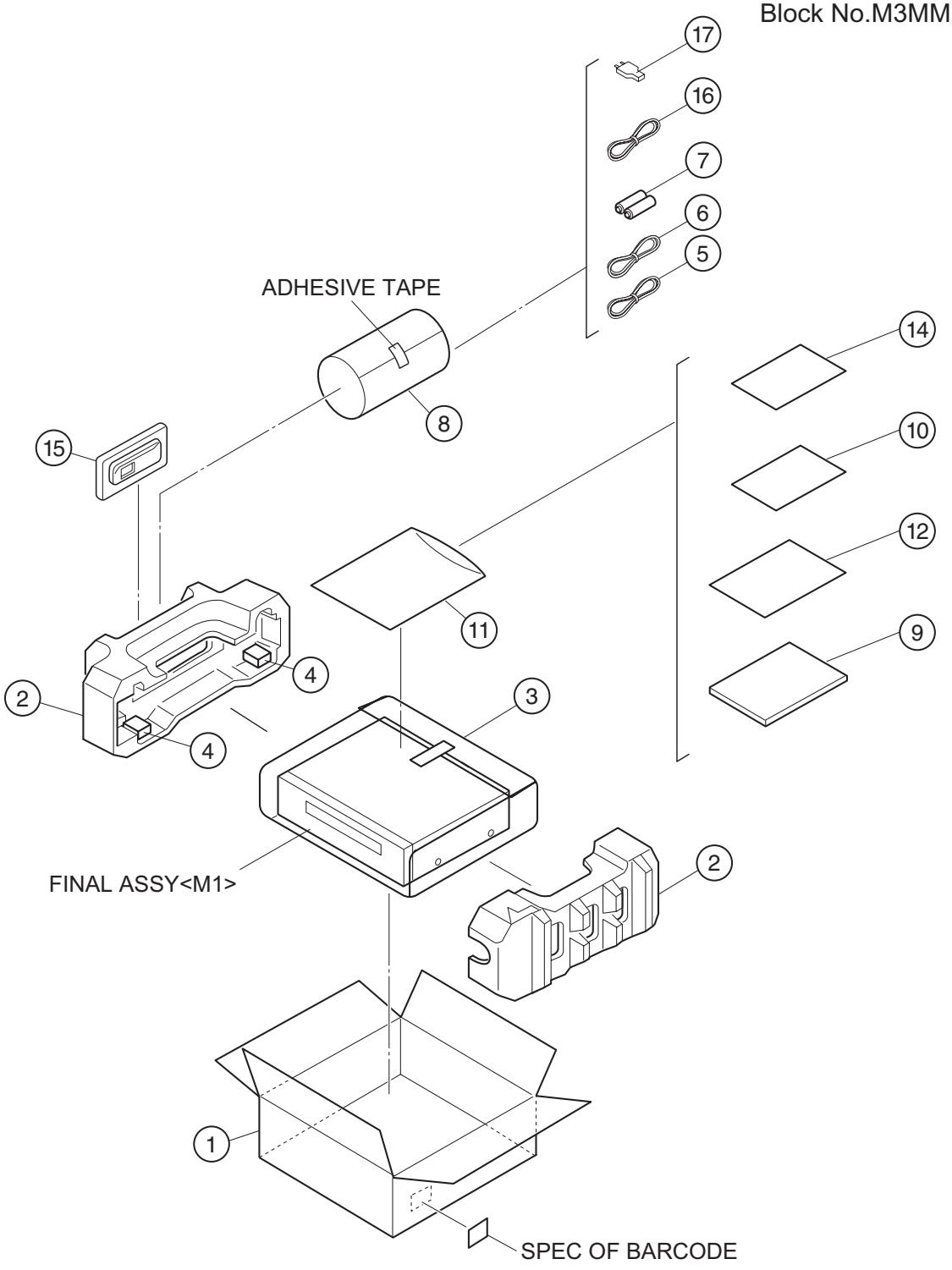
Jack board

Block No. [3][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10230-01C4	JACK BOARD ASSY		B
PW1	LPA10230-01B4	JACK BOARD ASSY		A,C
CN4104	QGB2027M1-10S	CONNECTOR	B-B (1-10)	
J4112	QNZ0675-001	D CONNECTOR	DV INPUT	
OT1	QZW0021-001	PC SUPPORT		

Packing materials and accessories parts list

Block No.M3MM



MODEL	MARK
DR-M10SUC	A
DR-M10SUJ	B
DR-M10SUS	C

Packing and accessories

Block No. [M][3][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LP31384-001A	PACKING CASE		B
	1	LP31384-016A	PACKING CASE		A,C
	2	LP31387-002A	CUSHION ASSY		B
	2	LP31387-001B	CUSHION ASSY		A,C
	3	PQM30021-93	POLY BAG		
	4	LP41169-001A	SPACER	(x2)	A,C
	5	QAM0501-002	RF CABLE		
	6	QAM0522-001	A/V CABLE		
	7	----------	BATTERY	R6TYPE(x2)	
	8	QPC02202230P	POLY BAG	22cm x 22cm	
⚠	9	LPT0899-002A	INST.BOOK	(FRENCH)	A
⚠	9	LPT0964-001A	INST.BOOK	(ENGLISH)	B
⚠	9	LPT0899-001A	INST.BOOK	(ENGLISH)	A,C
	10	BT-51034-2	REGIST CARD		B
	10	BT-51034-1	REGIST CARD		C
	11	QPC02503530P	POLY BAG	25cm x 35cm	
	12	LP30666-005C	SHEET(COUPON)		A,C
	14	BT-52006-2	WARRANTY CARD		A
	15	RM-SDR009J	REMOCON UNIT		
	16	QAL0517-005	LED CABLE ASSY		B
⚠	17	QAM0060-002	CONVERSION PLUG		B